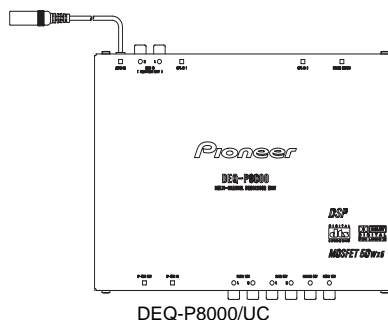


Service Manual



ORDER NO.
CRT3263

MULTI-CHANNEL AV PROCESSOR

DEQ-P8000/UC

DEQ-P6600/EW

DEQ-P7650/ES

Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic", and the double-D symbol are trademarks of Dolby Laboratories.

"DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc.

This product cannot be operated independently. Combining DVH-P5000MP/UC etc for performing a check of operation.



For details, refer to "Important symbols for good services".

SAFETY INFORMATION

CAUTION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual. Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.
Health & Safety Code Section 25249.6 - Proposition 65

● Service Precaution

1. You should conform to the regulations governing the product (safety, radio and noise, and other regulations), and should keep the safety during servicing by following the safety instructions described in this manual.

[Important symbols for good services]

In this manual, the symbols shown-below indicate that adjustments, settings or cleaning should be made securely. When you find the procedures bearing any of the symbols, be sure to fulfill them:

1. Product safety



You should conform to the regulations governing the product (safety, radio and noise, and other regulations), and should keep the safety during servicing by following the safety instructions described in this manual.

2. Adjustments



To keep the original performances of the product, optimum adjustments or specification confirmation is indispensable. In accordance with the procedures or instructions described in this manual, adjustments should be performed.

3. Cleaning



For optical pickups, tape-deck heads, lenses and mirrors used in projection monitors, and other parts requiring cleaning, proper cleaning should be performed to restore their performances.

4. Shipping mode and shipping screws



To protect the product from damages or failures that may be caused during transit, the shipping mode should be set or the shipping screws should be installed before shipping out in accordance with this manual, if necessary.

5. Lubricants, glues, and replacement parts



Appropriately applying grease or glue can maintain the product performances. But improper lubrication or applying glue may lead to failures or troubles in the product. By following the instructions in this manual, be sure to apply the prescribed grease or glue to proper portions by the appropriate amount. For replacement parts or tools, the prescribed ones should be used.

DIGITAL
dts
SURROUND

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● **DEQ-P6600/EW**

General

Power source 14.4 V DC (10.8 – 15.1 V allowable)
Grounding system Negative type
Max. current consumption:
 Backup current 10.0 A
Backup current 2mA or less
Dimensions (W × H × D) ... 237 × 29 × 171 mm
Weight 1.1 kg

Audio

Maximum power output 50 W × 5
Continuous power output ... 27 W × 5 (DIN 45324,
 +B=14.4 V)
Load impedance 4 Ω
Preout max output level 5.0 V
Decoder Linear PCM/Dolby Digital/
 Dolby Pro Logic II/DTS
Subwoofer:
 Crossover frequency 63/80/100/125/160/200 Hz
 Level ±10dB
Speaker setting:
 Time alignment 0 – 500 cm (2.5 cm)
 Level ±10dB
Equalizer:
 Band 3 band
 Frequency 40/50/63/80/100/125/160/
 200/250/315/400/500/630/
 800/1k/1.25k/1.6k/2k/2.5k/
 3.15k/4k/5k/6.3k/8k/10k/
 12.5k Hz
 Gain ±12dB
 Crossover frequency
 63/80/100/125/160/200 Hz



Note

Specifications and the design are subject to possible modifications without notice due to improvements. □

● DEQ-P7650/ES

General

Rated power source 14.4 V DC
 (allowable voltage range:
 12.0 – 14.4 V DC)
 Power source 14.4 V DC (10.8 – 15.1 V al-
 lowable)
 Grounding system Negative type
 Max. current consumption:
 Backup current 10.0 A
 Backup current 2 mA or less
 Dimensions (W × H × D) ... 237 × 29 × 171 mm
 Weight 1.1 kg

Audio

Continuous power output is 22 W per channel minimum
 into 4 ohms, both channels driven 50 to 15,000 Hz with
 no more than 5% THD.

Maximum power output 50 W × 5

Load impedance 4 Ω

Preout max output level 5.0 V

Decoder Linear PCM/Dolby Digital/
 Dolby Pro Logic II/DTS

Subwoofer:

Crossover frequency 63/80/100/125/160/200 Hz

Level ±10dB

Speaker setting:

Time alignment 0 – 500 cm (2.5 cm)

Level ±10dB

Equalizer:

Band 3 band

Frequency 40/50/63/80/100/125/160/
 200/250/315/400/500/630/
 800/1k/1.25k/1.6k/2k/2.5k/
 3.15k/4k/5k/6.3k/8k/10k/
 12.5k Hz

Gain ±12dB

Crossover frequency
 63/80/100/125/160/200 Hz



Note

Specifications and the design are subject to pos-
 sible modifications without notice due to im-
 provements. ■

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DEQ-P8000/UC

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2. EXPLODED VIEWS AND PARTS LIST

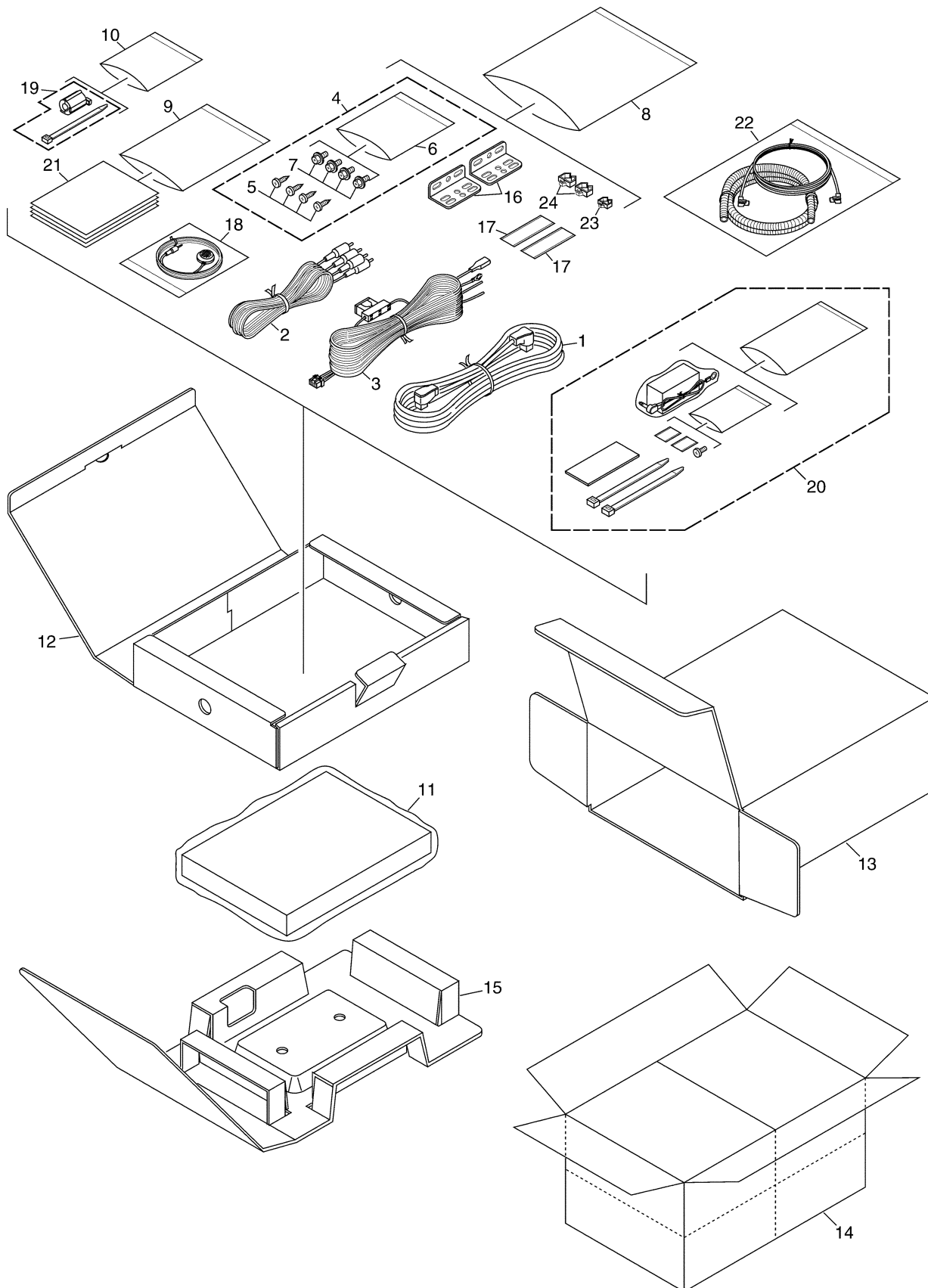
NOTES : • Parts marked by " * " are generally unavailable because they are not in our Master Spare Parts List.

• Screw adjacent to ▽mark on the product are used for disassembly.

• For the applying amount of lobaricants or glue, follow the instructions in this manual.

(In the case of no amount instructions, apply as you think it appropriate.)

2.1 PACKING



(1) PACKING SECTION PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	Cord Assy	CDE5880	16	Angle	CNB2351
2	Cord	CDE6775	17	Fastener	CNM3728
3	Cord Assy	CDE7531	18	Microphone Assy	CPM1066
* 4	Screw Assy	CEA2440	19	Filter	See contrast table(2)
5	Screw	BNC40P120FZK	20	Optical Cable Connection Box	See contrast table(2)
* 6	Polyethylene Bag	CEG1158	21-1	Owner's Manual	See contrast table(2)
7	Screw	HMF40P080FZK	21-2	Installation Manual	See contrast table(2)
* 8	Polyethylene Bag	CEG1101	21-3	Caution Card	See contrast table(2)
9	Polyethylene Bag	CEG1116	* 21-4	Card	See contrast table(2)
* 10	Polyethylene Bag	See contrast table(2)	21-5	Owner's Manual	See contrast table(2)
11	Polyethylene Bag	See contrast table(2)	* 21-6	Warranty Card	See contrast table(2)
12	Sub Carton	CHG4691	22	Cable	CDE6366
13	Carton	See contrast table(2)	* 23	Clamper	CNV1272
14	Contain Box	See contrast table(2)	24	Clamper	CNV1343
15	Protector	CHP2552			

(2) CONTRAST TABLE

DEQ-P8000/UC, DEQ-P6600/EW and DEQ-P7650/ES are constructed the same except for the following:

Mark	NO	Description	DEQ-P8000/UC	DEQ-P6600/EW	DEQ-P7650/ES
*	10	Polyethylene Bag	CEG1160	Not used	CEG1160
	11	Polyethylene Bag	CEG1173	CEG-162	CEG-162
	13	Carton	CHG5244	CHG5243	CHG5242
	14	Contain Box	CHL5244	CHL5243	CHL5242
	19	Filter	CTX1054	Not used	CTX1054
	20	Optical Cable Connection Box	CXC3584	CXC3584	Not used
	21-1	Owner's Manual	CRD3877	CRD3874	CRD3879
	21-2	Installation Manual	CRD3878	CRD3876	CRD3880
	21-3	Caution Card	CRP1310	Not used	CRP1310
*	21-4	Card	ARY1048	Not used	Not used
	21-5	Owner's Manual	Not used	CRD3875	Not used
*	21-6	Warranty Card	Not used	CRY1157	Not used

Owner's Manual, Installation Manual

Part No.	Language
CRD3877	English, French
CRD3878	English, French
CRD3874	English, Spanish, German
CRD3875	French, Italian, Dutch
CRD3876	English, Spanish, German, French, Italian, Dutch
CRD3879	English, Spanish, Portuguese(B), Traditional Chinese
CRD3880	English, Spanish, Portuguese(B), Traditional Chinese

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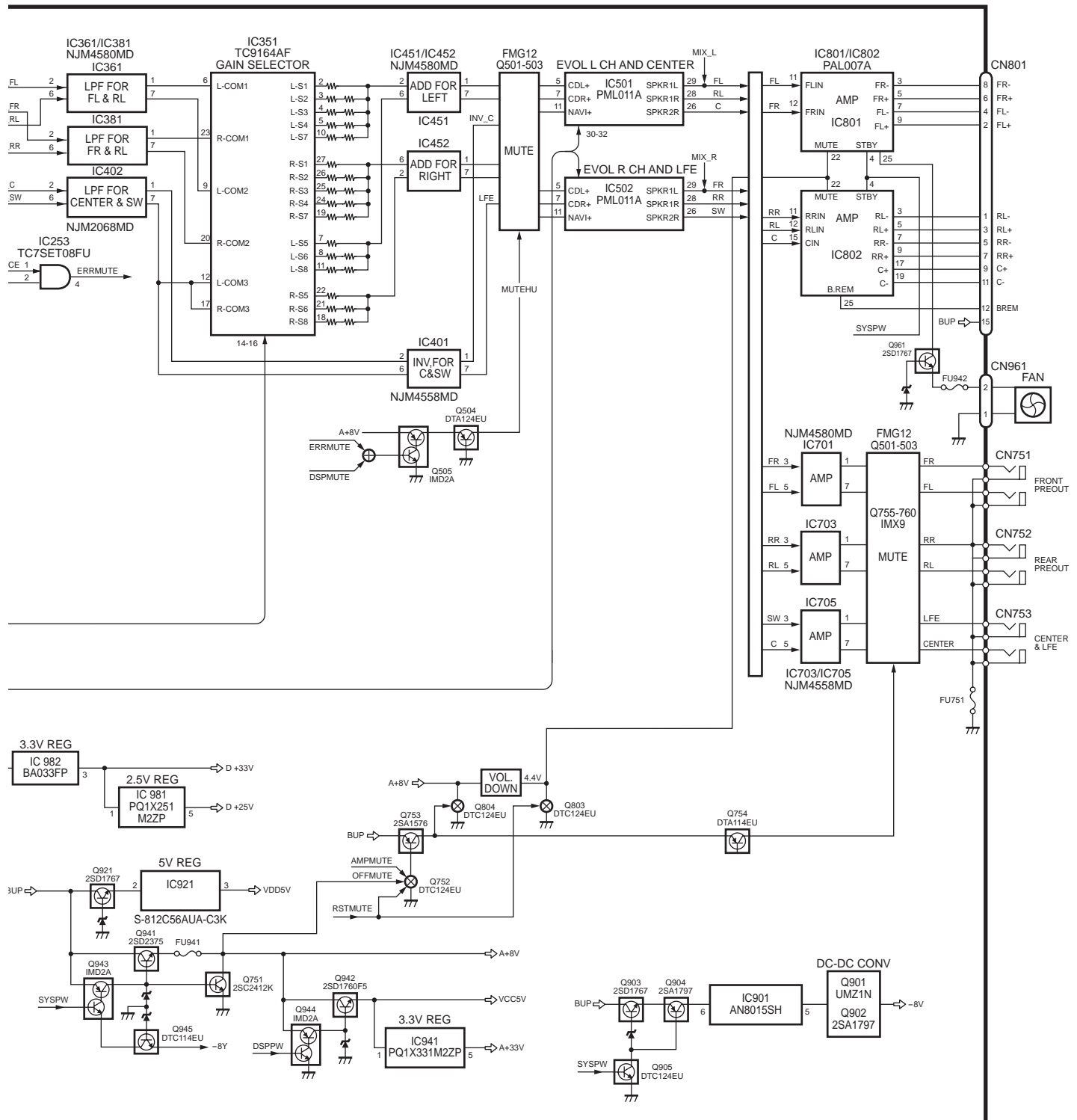
(1) EXTERIOR SECTION PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.
1	Screw	BMZ30P040FTC	21	Connector(CN961)	CKS3124
2	Screw	BSZ30P060FZK	22	Connector(CN172)	CKS3125
3	.....		23	Pin Jack(CN122)	CKS3144
4	Cord Assy	CDE7531	24	Pin Jack(CN751)	CKS3144
5	Fuse(10A)	CEK1136	25	Pin Jack(CN752)	CKS3144
6	Cord Assy	CDE7719	26	Connector(CN201)	CKS3410
7	Chassis	CNA2741	27	Connector(CN202)	CKS3413
8	Case	See contrast table(2)	28	Holder	CNC9810
9	Insulator	CNM8816	29	Holder	CND2230
10	.....		30	Holder	CND2231
11	.....		31	Holder	CND2232
12	Audio Control Unit	See contrast table(2)	32	Holder	CND2233
13	Screw	BMZ26P150FTC	33	Insulator	CNM7788
14	Screw	BMZ26P200FTC	34	Heat Sink	CNR1753
15	Screw	BMZ26P350FTC	35	Fan Motor	CXM1301
16	Pin Jack(CN753)	CKB1053	36	Screw	ISS26P050FTC
17	Terminal(CN103)	CKF1064	37	Choke Coil(L801)	CTH1275
18	Plug(CN801)	CKM1432	38	IC(IC801, 802)	PAL007A
19	Connector(CN101)	CKS2600	39	Transistor(Q941, 981)	2SD2375
20	Connector(CN102)	CKS2601			

(2) CONTRAST TABLE


DEQ-P8000/UC, DEQ-P6600/EW and DEQ-P7650/ES are constructed the same except for the following:

Mark	NO	Description	DEQ-P8000/UC	DEQ-P6600/EW	DEQ-P7650/ES
	8	Case	CNB3004	CNB2998	CNB2999
	12	Audio Control Unit	CWM9422	CWM9423	CWM9424



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**A-b**

OPTICAL SIGNAL LINE
ANALOG SIGNAL LINE

A-a	A-b
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DEQ-P8000/UC

ANALOG:
+8dBs
RCA IN
CN122

CN17.
MIC IN

GAIN SELECTOR

DIG +5V

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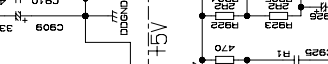
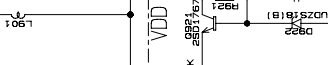
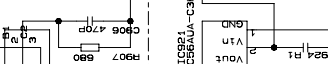
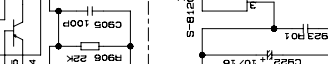
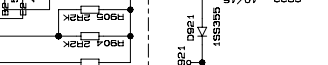
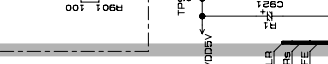
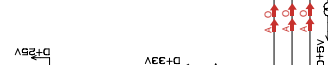
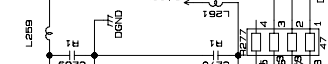
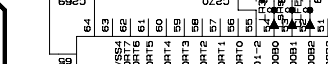
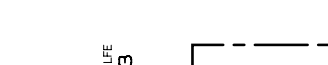
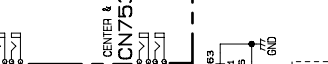
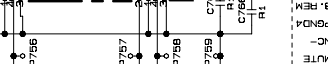
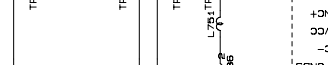
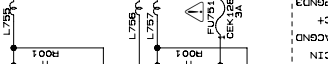
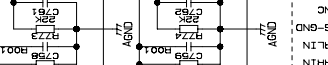
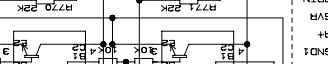
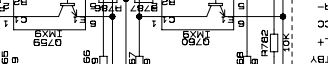
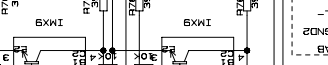
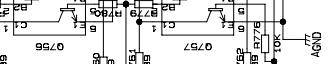
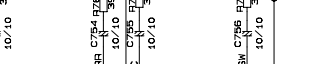
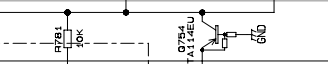
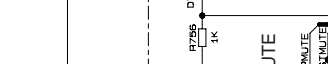
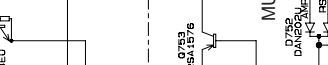
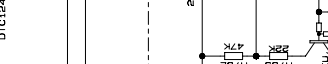
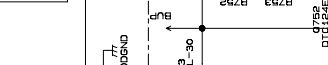
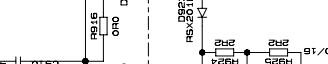
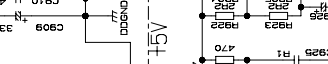
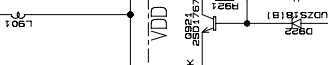
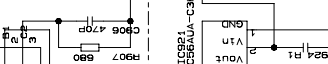
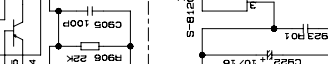
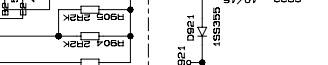
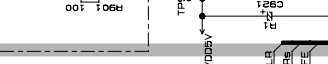
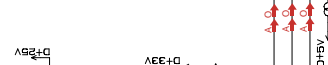
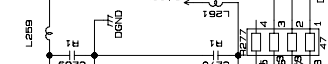
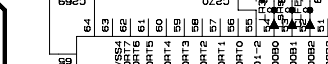
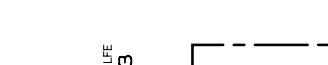
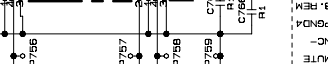
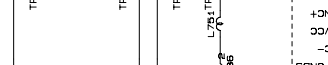
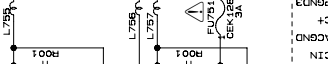
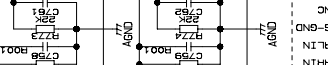
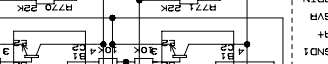
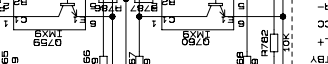
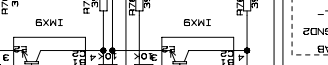
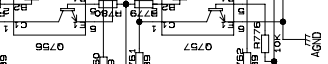
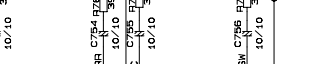
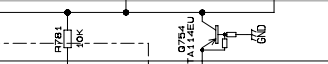
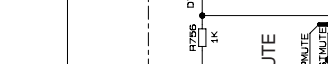
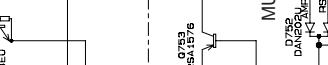
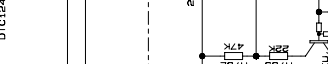
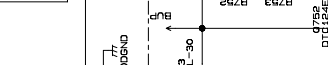
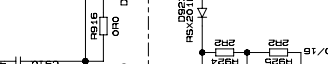
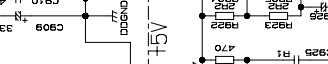
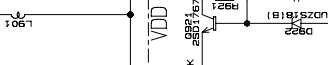
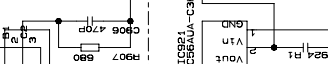
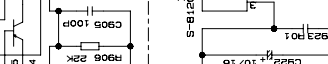
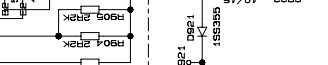
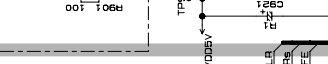
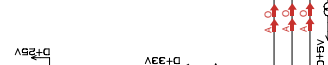
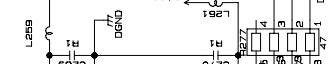
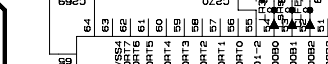
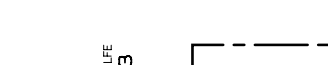
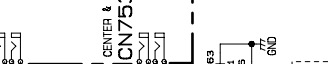
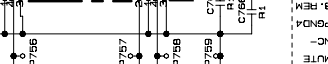
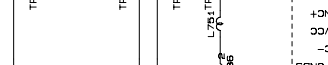
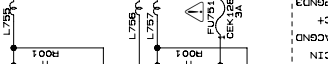
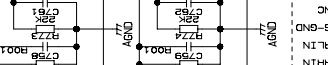
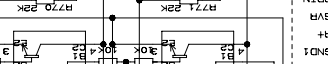
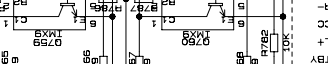
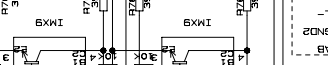
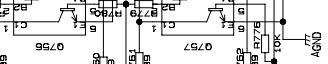
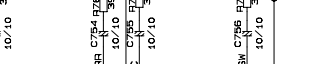
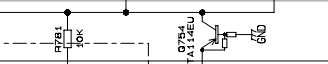
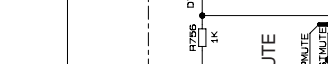
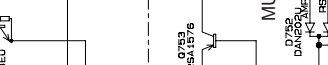
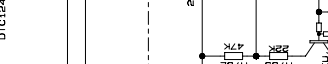
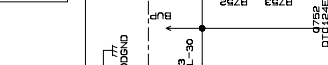
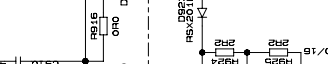
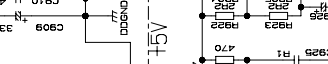
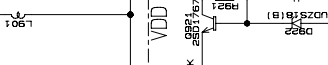
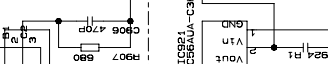
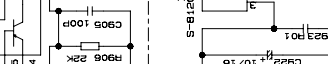
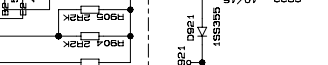
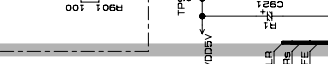
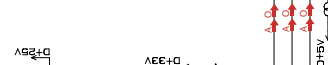
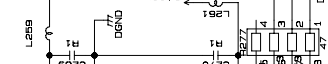
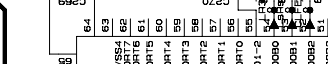
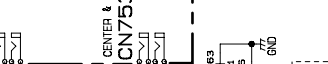
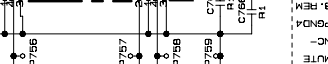
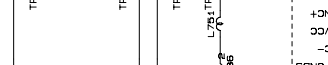
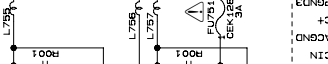
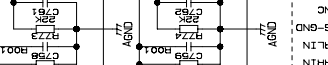
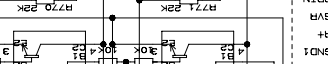
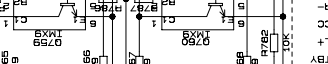
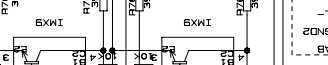
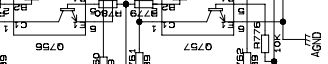
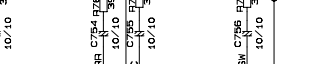
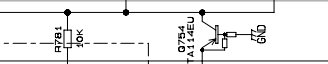
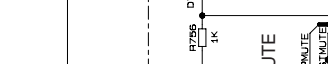
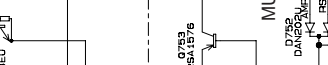
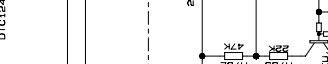
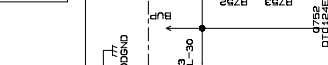
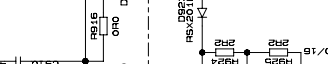
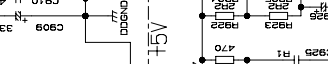
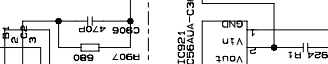
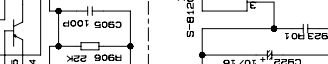
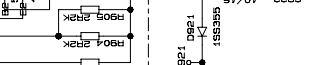
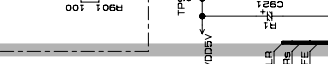
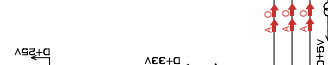
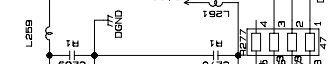
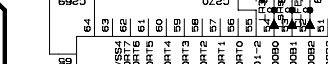
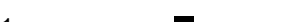
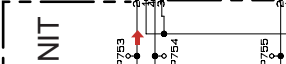
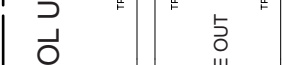
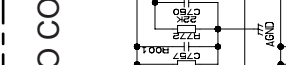
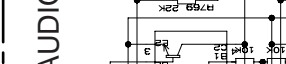
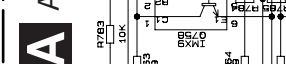
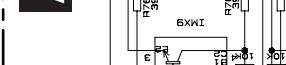
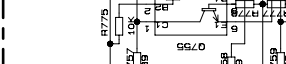
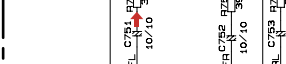
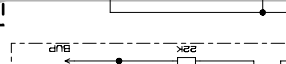
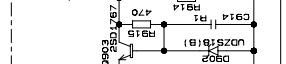
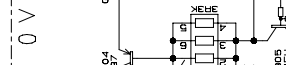
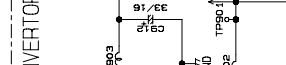
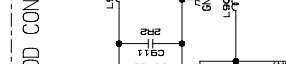
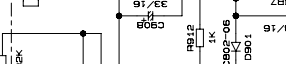
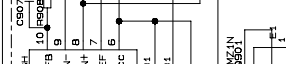
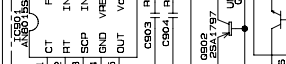
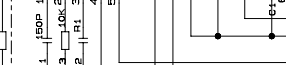
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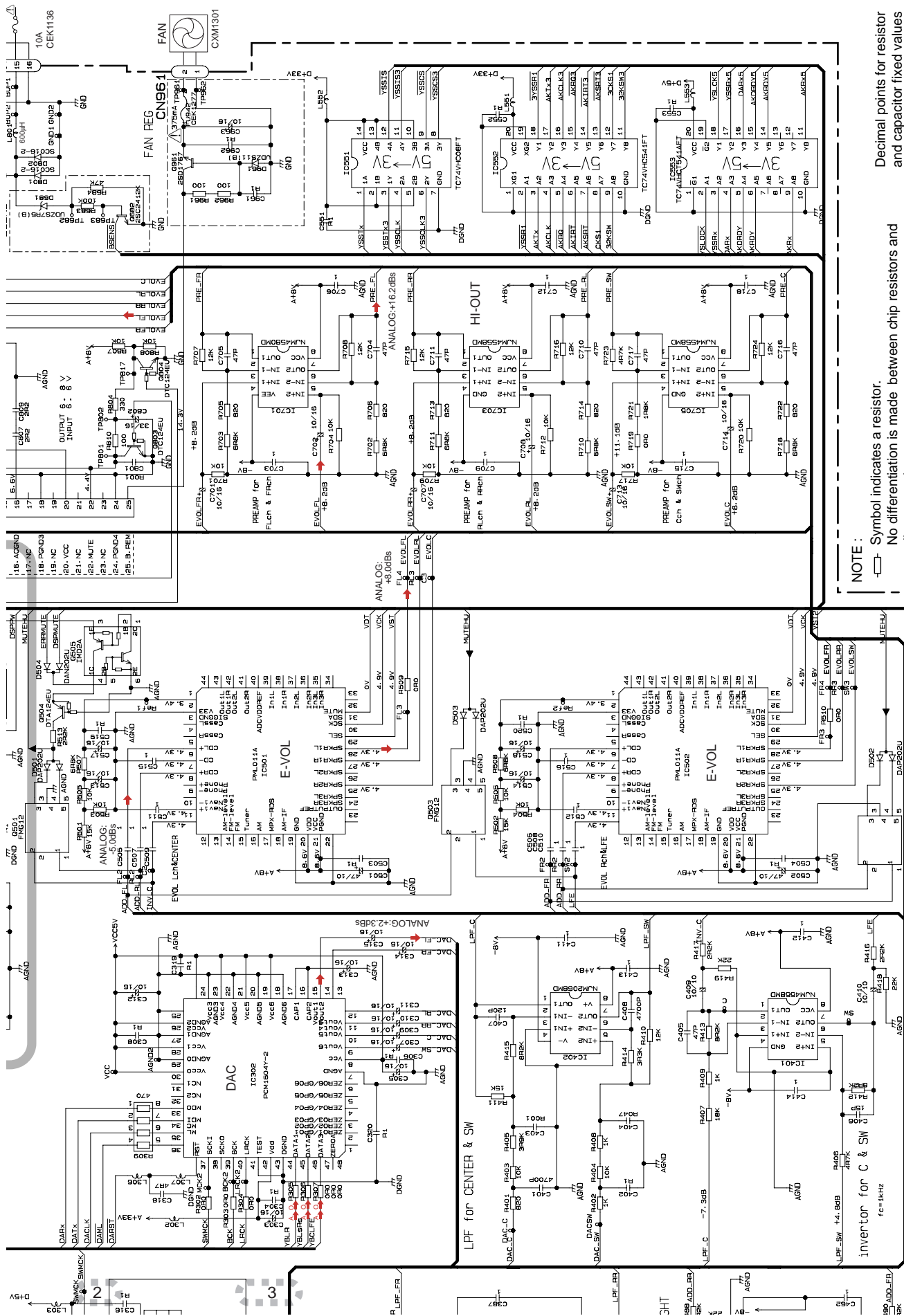
CN201

CN201



RAM





NOTE:

□ Symbol indicates a resistor.

No differentiation is made between chip resistors and discrete resistors.

—|— Symbol indicates a capacitor.

No differentiation is made between chip capacitors and discrete capacitors.

Decimal points for resistor and capacitor fixed values are expressed as :
2.2 → 2R2
0.022 → R022

DEQ-P8000/UC

A-b

A B C D E F

△

4



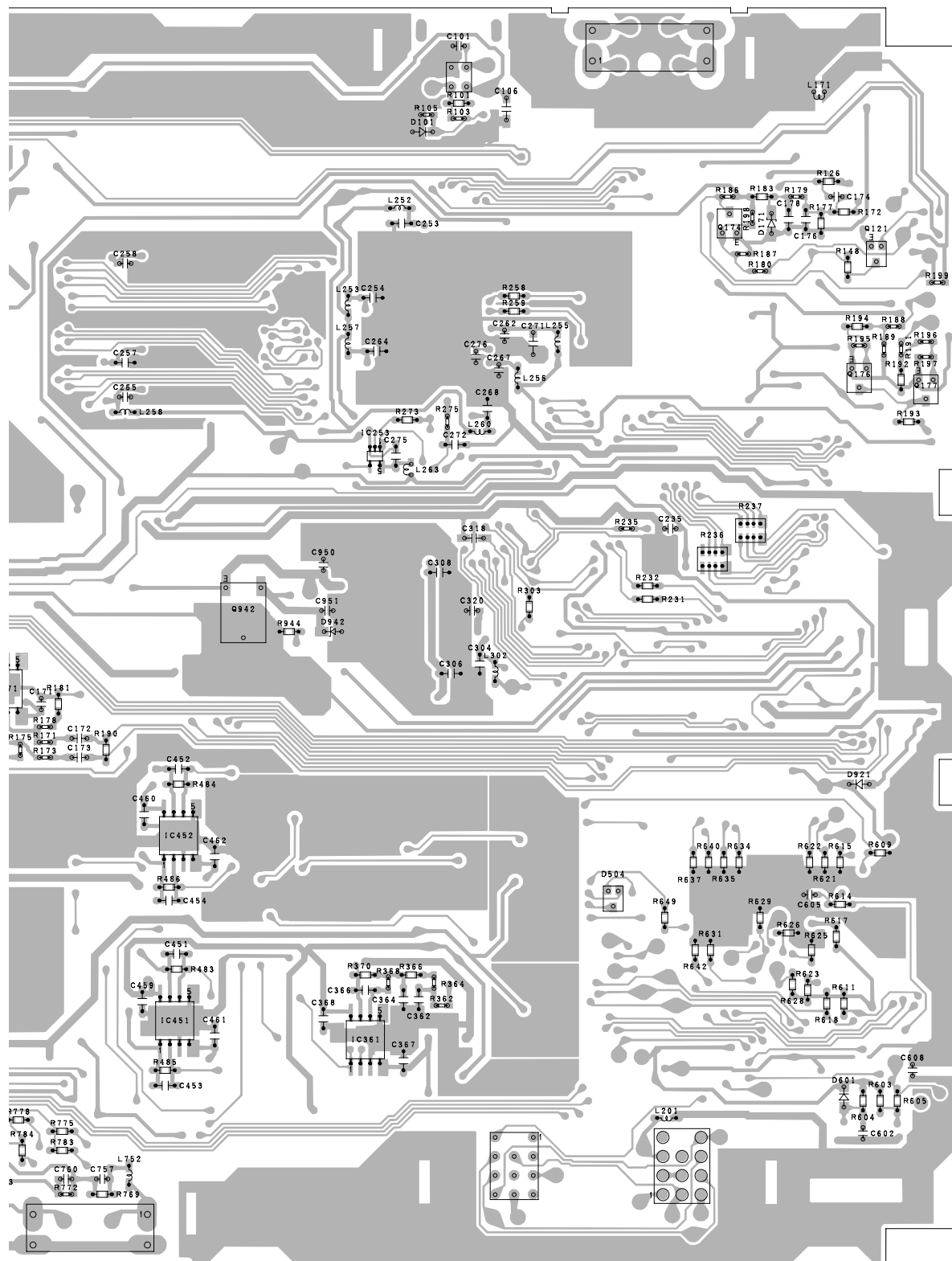
C

D

F

21

SIDE B



5. ELECTRICAL PARTS LIST

NOTE:

- Parts whose parts numbers are omitted are subject to being not supplied.
- The part numbers shown below indicate chip components.

Chip Resistor

RS1/○S○○○○J,RS1/○○S○○○○J

Chip Capacitor (except for CQS.....)

CKS....., CCS....., CSZS.....

Circuit Symbol and No.

Part No.

Circuit Symbol and No.

Part No.

Q 121	Transistor	DTC124EU
Q 174	Transistor	2SC2412K

Q 501	Transistor	FMG12
Q 502	Transistor	FMG12
Q 503	Transistor	FMG12
Q 504	Transistor	DTA124EU
Q 505	Transistor	IMD2A

Q 601	Transistor	2SA1576
Q 681	Transistor	2SC2412K
Q 682	Transistor	2SC2412K
Q 751	Transistor	2SC2412K
Q 752	Transistor	DTC124EU

Q 753	Transistor	2SA1576
Q 754	Transistor	DTA114EU
Q 755	Transistor	IMX9
Q 756	Transistor	IMX9
Q 757	Transistor	IMX9

Q 758	Transistor	IMX9
Q 759	Transistor	IMX9
Q 760	Transistor	IMX9
Q 803	Transistor	DTC124EU
Q 804	Transistor	DTC124EU

Q 901	Transistor	UMZ1N
Q 902	Transistor	2SA1797
Q 903	Transistor	2SD1767
Q 904	Transistor	2SA1797
Q 905	Transistor	DTC124EU

Q 921	Transistor	2SD1767
Q 941	Transistor	2SD2375
Q 942	Transistor	2SD1760F5
Q 943	Transistor	IMD2A
Q 944	Transistor	IMD2A

Q 945	Transistor	DTC114EU
Q 961	Transistor	2SD1767
Q 981	Transistor	2SD2375
Q 982	Transistor	IMD2A
D 101	Diode	MA111

D 102	Diode	MA111
D 171	Diode	UDZS3R9(B)
D 501	Diode	DAP202U
D 502	Diode	DAP202U
D 503	Diode	DAP202U

D 504	Diode	DAN202U
D 601	Diode	MA111
D 602	Diode	1SS355
D 681	Diode	UDZS7R5(B)
D 751	Diode	UDZS8R2(B)

D 752	Diode	DAN202U
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A

Unit Number:CWM9422(UC)

Unit Number:CWM9423(EW)

Unit Number:CWM9424(ES)

Unit Name:Audio Control Unit

MISCELLANEOUS

IC 101	IC	TC7WH08FU
IC 121	IC	BA3129F
IC 123	IC	NJM2100M
IC 125	IC	NJM2100M
IC 201	IC	HA12240FP

IC 221	IC	AK7730VT
IC 251	IC	YSS932-S
IC 252	IC	MSM51V4265EP-70TS
IC 253	IC	TC7SET08FU
IC 301	IC	XC25BS5118MR

IC 302	IC	PCM1604Y-2
IC 303	IC	TC7WB383FK
IC 351	IC	TC9164AF
IC 361	IC	NJM4580MD
IC 381	IC	NJM4580MD

IC 401	IC	NJM4558MD
IC 402	IC	NJM2068MD
IC 451	IC	NJM4580MD
IC 452	IC	NJM4580MD
IC 501	IC	PML011A

IC 502	IC	PML011A
IC 551	IC	TC74VHC08FT
IC 552	IC	TC74VHC541FT
IC 553	IC	TC74VHCT541AFT
IC 601	IC	PD5967A

IC 602	IC	S-80835CNUA-B8U
IC 701	IC	NJM4580MD
IC 703	IC	NJM4558MD
IC 705	IC	NJM4558MD
IC 801	IC	PAL007A

IC 802	IC	PAL007A
IC 901	IC	AN8015SH
IC 921	IC	S-812C56AUA-C3K
IC 941	IC	PQ1X331M2ZP
IC 981	IC	PQ1X251M2ZP

IC 982	IC	BA033FP
Q 101	Transistor	2SC2412K
Q 102	Transistor	2SC2412K

5			6			7			8		
<u>Circuit Symbol and No.</u>			<u>Part No.</u>			<u>Circuit Symbol and No.</u>			<u>Part No.</u>		
D 754	Diode		1SS355			L 756	Inductor		CTF1473		
D 801	Diode		SC016-2			L 757	Inductor		CTF1473		
D 802	Diode		SC016-2			L 801	Choke Coil 600μH		CTH1275		A
D 803	Diode		SC016-2			L 901	Coil		CTH1267		
D 804	Diode		SC016-2			L 902	Coil		CTH1267		
D 901	Diode		SC802-06			L 903	Coil		CTH1267		
D 902	Diode		UDZS18(B)			X 251	Radiator 24.576MHz		CSS1630		
D 921	Diode		1SS355			X 601	Radiator 10.0MHz		CSS1577		
D 922	Diode		UDZS18(B)			S 601	Switch(RESET)		CSG1046		
D 923	Diode		RSX201L-30			FU751	Fuse 3A		CEK1286		
D 941	Diode		UDZS9R1(B)			FU941	Fuse 0.5A		CEK1278		
D 942	Diode		UDZS5R6(B)			FU942	Fuse 375mA		CEK1277		
D 943	Diode		UDZS6R2(B)				Fan Motor		CXM1301		
D 961	Diode		UDZS11(B)								
D 981	Diode		UDZS5R6(B)								
L 101	Inductor		CTF1473			R 101			RS1/16S102J		
L 121	Inductor		CTF1473			R 102			RS1/16S102J		
L 122	Inductor		CTF1473			R 103			RS1/16S102J		
L 123	Inductor		CTF1473			R 104			RS1/16S102J		
L 124	Inductor		CTF1473			R 105			RS1/16S473J		
L 201	Inductor		CTF1379			R 106			RS1/16S473J		
L 202	Inductor		CTF1473			R 107			RS1/16S101J		
L 203	Inductor		CTF1379			R 108			RS1/16S101J		
L 221	Inductor		CTF1473			R 109			RS1/16S680J		
L 222	Inductor		CTF1473			R 110			RS1/16S680J		C
L 223	Inductor		CTF1473			R 121			RS1/16S223J		
L 224	Inductor		CTF1473			R 122			RS1/16S223J		
L 251	Inductor		CTF1473			R 123			RS1/16S223J		
L 252	Inductor		CTF1473			R 124			RS1/16S223J		
L 253	Inductor		CTF1473			R 125			RS1/16S472J		
L 254	Inductor		CTF1473			R 126			RS1/16S104J		
L 255	Inductor		CTF1473			R 128			RS1/16S472J		
L 256	Inductor		CTF1473			R 130			RS1/16S561J		
L 257	Inductor		CTF1473			R 131			RS1/16S223J		
L 258	Inductor		CTF1473			R 132			RS1/16S472J		
L 259	Inductor		CTF1473			R 133			RS1/16S472J		D
L 260	Inductor		CTF1473			R 134			RS1/16S223J		
L 261	Inductor		CTF1473			R 138			RS1/16S183J		
L 262	Inductor		CTF1357			R 139			RS1/16S104J		
L 263	Inductor		CTF1473			R 140			RS1/16S822J		
L 264	Inductor		CTF1379			R 142			RS1/16S183J		
L 301	Inductor		CTF1473			R 143			RS1/16S223J		
L 302	Inductor		CTF1473			R 144			RS1/16S103J		
L 303	Inductor		CTF1473			R 145			RS1/16S183J		
L 304	Inductor		CTF1473			R 146			RS1/16S103J		
L 305	Inductor		CTF1357			R 147			RS1/16S822J		E
L 306	Inductor		LCTAW220J2016			R 148			RS1/16S473J		
L 307	Inductor		CTF1306			R 149			RS1/16S183J		
L 351	Inductor		CTF1410			R 151			RS1/16S103J		
L 352	Inductor		CTF1410			R 153			RS1/16S223J		
L 551	Inductor		CTF1473			R 155			RS1/16S223J		
L 552	Inductor		CTF1473			R 157			RS1/16S103J		
L 553	Inductor		CTF1473			R 172			RS1/16S471J		
L 601	Inductor		CTF1473			R 177			RS1/16S104J		
L 602	Inductor		CTF1473			R 179			RS1/16S222J		
L 751	Inductor		CTF1487			R 180			RS1/16S102J		
L 752	Inductor		CTF1473			R 183			RS1/16S561J		F
L 753	Inductor		CTF1473			R 186			RS1/16S472J		
L 754	Inductor		CTF1473			R 187			RS1/16S104J		
L 755	Inductor		CTF1473			R 193			RS1/16S104J		

RESISTORS

Circuit Symbol and No.Part No.Circuit Symbol and No.Part No.

A	R 198	RS1/16S104J	R 366	RS1/16S3901D
	R 199	RS1/16S222J	R 367	RS1/16S822J
	R 201	RS1/16S101J	R 368	RS1/16S822J
	R 202	RS1/16S101J	R 369	RS1/16S1502D
	R 204	RS1/16S472J	R 370	RS1/16S1502D
■	R 221	RS1/16S0R0J	R 381	RS1/16S8200D
	R 222	RS1/16S470J	R 382	RS1/16S8200D
	R 223	RS1/16S0R0J	R 383	RS1/16S1002D
	R 224	RS1/16S0R0J	R 384	RS1/16S1002D
	R 225	RS1/16S470J	R 385	RS1/16S3901D
B	R 226	RS1/16S0R0J	R 386	RS1/16S3901D
	R 227	RS1/16S0R0J	R 387	RS1/16S822J
	R 228	RS1/16S470J	R 388	RS1/16S822J
	R 229	RS1/16S0R0J	R 389	RS1/16S1502D
	R 230	RS1/16S0R0J	R 390	RS1/16S1502D
■	R 231	RS1/16S102J	R 401	RS1/16S8200D
	R 232	RS1/16S102J	R 402	RS1/16S1001D
	R 233	RS1/16S562J	R 403	RS1/16S1002D
	R 235	RS1/16S0R0J	R 404	RS1/16S1002D
	R 236	RAB4C471J	R 405	RS1/16S3901D
C	R 237	RAB4C471J	R 406	RS1/16S4701D
	R 251	RS1/16S103J	R 407	RS1/16S1802D
	R 252	RS1/16S101J	R 408	RS1/16S1001D
	R 253	RAB4C101J	R 409	RS1/16S1001D
	R 254	RS1/16S331J	R 410	RS1/16S1202D
■	R 255	RS1/16S105J	R 411	RS1/16S1502D
	R 256	RAB4C471J	R 412	RS1/16S8201D
	R 257	RAB4C471J	R 413	RS1/16S8201D
	R 258	RS1/16S0R0J	R 414	RS1/16S332J
	R 259	RS1/16S0R0J	R 415	RS1/16S822J
D	R 260	RAB4C471J	R 416	RS1/16S222J
	R 261	RAB4C471J	R 417	RS1/16S222J
	R 262	RS1/16S102J	R 418	RS1/16S223J
	R 263	RS1/16S471J	R 419	RS1/16S223J
	R 264	RS1/16S471J	R 451	RS1/16S1002D
■	R 265	RS1/16S152J	R 452	RS1/16S1002D
	R 266	RAB4C471J	R 453	RS1/16S3901D
	R 267	RS1/16S512J	R 454	RS1/16S3901D
	R 269	RAB4C471J	R 455	RS1/16S3301D
	R 270	RAB4C471J	R 456	RS1/16S3301D
E	R 271	RAB4C0R0J	R 457	RS1/16S1802D
	R 272	RAB4C0R0J	R 458	RS1/16S1802D
	R 273	RS1/16S0R0J	R 459	RS1/16S3301D
	R 274	RS1/16S680J	R 460	RS1/16S3301D
	R 275	RS1/16S470J	R 461	RS1/16S5601D
■	R 276	RS1/16S680J	R 462	RS1/16S5601D
	R 277	RAB4C470J	R 463	RS1/16S1802D
	R 301	RS1/16S220J	R 464	RS1/16S1802D
	R 302	RS1/16S0R0J	R 465	RS1/16S5601D
	R 303	RS1/16S0R0J	R 466	RS1/16S5601D
F	R 304	RS1/16S0R0J	R 467	RS1/16S1201D
	R 305	RS1/16S0R0J	R 468	RS1/16S1201D
	R 306	RS1/16S0R0J	R 469	RS1/16S2201D
	R 307	RS1/16S0R0J	R 470	RS1/16S2201D
	R 309	RAB4C471J	R 471	RS1/16S4701D
■	R 361	RS1/16S8200D	R 472	RS1/16S4701D
	R 362	RS1/16S8200D	R 473	RS1/16S1001D
	R 363	RS1/16S1002D	R 474	RS1/16S1001D
	R 364	RS1/16S1002D	R 475	RS1/16S1001D
	R 365	RS1/16S3901D	R 476	RS1/16S1001D

5	6	7	8	
<u>Circuit Symbol and No.</u>	<u>Part No.</u>	<u>Circuit Symbol and No.</u>	<u>Part No.</u>	
R 477	RS1/16S4701D	R 632	RAB4C101J	A
R 478	RS1/16S4701D	R 633	RAB4C471J	
R 479	RS1/16S0R0J	R 634	RS1/16S473J	
R 480	RS1/16S0R0J	R 635	RS1/16S473J	
R 481	RS1/16S0R0J	R 636	RS1/16S471J	
R 482	RS1/16S0R0J	R 637	RS1/16S473J	
R 483	RS1/16S8201D	R 638	RAB4C471J	
R 484	RS1/16S8201D	R 639	RS1/16S471J	
R 485	RS1/16S8201D	R 640	RS1/16S473J	
R 486	RS1/16S8201D	R 641	RS1/16S102J	
R 487	RS1/16S222J	R 642	RS1/16S104J	B
R 488	RS1/16S222J	R 643	RAB4C101J	
R 489	RS1/16S222J	R 644	RS1/16S0R0J	
R 490	RS1/16S222J	R 645	RS1/16S0R0J	
R 491	RS1/16S223J	R 646	RS1/16S102J	
R 492	RS1/16S223J	R 647	RAB4C102J	
R 493	RS1/16S223J	R 648	RAB4C471J	
R 494	RS1/16S223J	R 649	RS1/16S0R0J	
R 501	RS1/16S153J	R 650	RS1/16S102J	
R 502	RS1/16S153J	R 651	RS1/16S0R0J	
R 503	RS1/16S103J	R 681	RS1/16S473J	C
R 504	RS1/16S103J	R 682	RS1/16S473J	
R 505	RS1/16S103J	R 683	RS1/16S104J	
R 506	RS1/16S103J	R 684	RS1/16S473J	
R 507	RS1/16S682J	R 701	RS1/16S103J	
R 508	RS1/16S682J	R 702	RS1/16S6801D	
R 509	RS1/16S0R0J	R 703	RS1/16S6801D	
R 510	RS1/16S0R0J	R 704	RS1/16S103J	
R 513	RS1/16S222J	R 705	RS1/16S8200D	
R 601	RS1/16S474J	R 706	RS1/16S8200D	
R 602	RS1/16S103J	R 707	RS1/16S1202D	D
R 603	RS1/16S104J	R 708	RS1/16S1202D	
R 604	RS1/16S123J	R 709	RS1/16S103J	
R 605	RS1/16S102J	R 710	RS1/16S6801D	
R 606	RS1/16S103J	R 711	RS1/16S6801D	
R 607	RS1/16S223J	R 712	RS1/16S103J	
R 608	RS1/16S103J	R 713	RS1/16S8200D	
R 609	RS1/16S473J	R 714	RS1/16S8200D	
R 610	RAB4C471J	R 715	RS1/16S1202D	
R 611	RS1/16S104J	R 716	RS1/16S1202D	
R 612	RS1/16S562J	R 717	RS1/16S103J	
R 613	RAB4C102J	R 718	RS1/16S6801D	
R 614	RS1/16S102J	R 719	RS1/16S0R0J	
R 615	RS1/16S473J	R 720	RS1/16S103J	
R 616	RS1/16S105J	R 721	RS1/16S1801D	
R 617	RS1/16S473J	R 722	RS1/16S8200D	E
R 618	RS1/16S104J	R 723	RS1/16S4701D	
R 619	RS1/16S102J	R 724	RS1/16S1202D	
R 620	RS1/16S102J	R 751	RS1/16S102J	
R 621	RS1/16S473J	R 752	RS1/16S473J	
R 622	RS1/16S473J	R 753	RS1/16S223J	
R 623	RS1/16S472J	R 754	RS1/16S472J	
R 624	RAB4C101J	R 755	RS1/16S103J	
R 625	RS1/16S473J	R 756	RS1/16S102J	
R 626	RS1/16S473J	R 757	RS1/16S390J	
R 627	RAB4C471J	R 758	RS1/16S390J	F
R 628	RS1/16S473J	R 759	RS1/16S390J	
R 629	RS1/16S473J	R 760	RS1/16S390J	
R 630	RAB4C471J	R 761	RS1/16S390J	
R 631	RS1/16S474J	R 762	RS1/16S390J	

Circuit Symbol and No.Part No.Circuit Symbol and No.Part No.**CAPACITORS**

A	R 763	RS1/16S390J	C 101	CKSRYB104K25
	R 764	RS1/16S390J		CKSRYB104K25
	R 765	RS1/16S390J		CKSRYB104K25
	R 766	RS1/16S390J		CCSRCH470J50
	R 767	RS1/16S390J		CCSRCH470J50
	R 768	RS1/16S390J	C 102	CCSRCH470J50
	R 769	RS1/16S223J		CCSRCH470J50
	R 770	RS1/16S223J		CKSYB106K6R3
	R 771	RS1/16S223J		CKSYB106K6R3
	R 772	RS1/16S223J		CKSYB106K6R3
	R 773	RS1/16S223J	C 103	CCSRCH470J50
	R 774	RS1/16S223J		CCSRCH470J50
	R 775	RS1/16S103J		CCSRCH470J50
	R 776	RS1/16S103J		CKSYB106K6R3
	R 777	RS1/16S103J		CKSYB106K6R3
B	R 778	RS1/16S103J	C 104	CEVW100M16
	R 779	RS1/16S103J		CKSRYB105K10
	R 780	RS1/16S103J		CKSRYB105K10
	R 781	RS1/16S103J		CKSRYB105K10
	R 782	RS1/16S103J		CKSRYB105K10
	R 783	RS1/16S103J	C 105	CKSRYB105K10
	R 784	RS1/16S103J		CKSRYB105K10
	R 785	RS1/16S103J		CKSRYB105K10
	R 786	RS1/16S103J		CKSRYB105K10
	R 787	RS1/16S103J		CKSRYB105K10
C	R 804	RS1/16S331J	C 124	CKSRYB105K10
	R 806	RS1/16S103J		CKSRYB105K10
	R 807	RS1/16S103J		CKSRYB105K10
	R 808	RS1/16S103J		CKSRYB105K10
	R 810	RS1/16S101J		CKSRYB105K10
	R 901	RS1/16S101J	C 125	CKSRYB105K10
	R 902	RS1/16S3601D		CKSRYB105K10
	R 903	RS1/16S1002D		CKSRYB105K10
	R 904	RS1/16S222J		CKSRYB105K10
	R 905	RS1/16S222J		CKSRYB105K10
D	R 906	RS1/16S223J	C 126	CKSRYB105K10
	R 907	RS1/16S681J		CKSRYB105K10
	R 908	RS1/16S104J		CKSRYB105K10
	R 909	RS1/16S1803D		CKSRYB105K10
	R 910	RS1/16S3302D		CKSRYB105K10
	R 911	RS1/16S8201D	C 127	CKSRYB105K10
	R 912	RS1/16S1001D		CKSRYB105K10
	R 913	RAB4C332J		CKSRYB105K10
	R 914	RS1/16S223J		CKSRYB105K10
	R 915	RS1/16S471J		CKSRYB105K10
E	R 916	RS1/16S0R0J	C 128	CKSRYB105K10
	R 921	RS1/16S471J		CKSRYB105K10
	R 922	RS1/16S2R2J		CKSRYB105K10
	R 923	RS1/16S2R2J		CKSRYB105K10
	R 924	RS1/16S2R2J		CKSRYB105K10
	R 925	RS1/16S2R2J	C 129	CKSRYB105K10
	R 941	RS1/16S473J		CKSRYB105K10
	R 942	RS1/16S471J		CKSRYB105K10
	R 943	RS1/16S471J		CKSRYB105K10
	R 944	RS1/16S102J		CKSRYB105K10
F	R 961	RS1/16S101J	C 130	CKSRYB105K10
	R 962	RS1/16S101J		CKSRYB105K10
	R 981	RS1/16S473J		CKSRYB105K10
	R 982	RS1/16S332J		CKSRYB105K10
	R 983	RS1/16S472J		CKSRYB105K10

5	6	7	8	
<u>Circuit Symbol and No.</u>	<u>Part No.</u>	<u>Circuit Symbol and No.</u>	<u>Part No.</u>	
C 255	CKSRYB104K25	C 401	CKSRYB472K50	A
C 256	CCSRCH100D50	C 402	CKSRYB104K25	
C 257	CKSRYB104K25	C 403	CKSRYB102K50	
C 258	CKSRYB104K25	C 404	CKSRYB473K50	
C 259	CCSRCH100D50	C 405	CCSRCH470J50	
C 260	CCSRCH471J50	C 406	CCSRCH150J50	
C 261	CKSRYB472K50	C 407	CCSRCH121J50	
C 262	CKSRYB104K25	C 408	CKSRYB472K50	
C 263	CKSRYB472K50	C 409	CEVWNP100M10	
C 264	CKSRYB104K25	C 410	CEVWNP100M10	
C 265	CKSRYB104K25	C 411	CKSRYB105K10	
C 266	CEVW101M10	C 412	CKSRYB105K10	
C 267	CKSRYB104K25	C 413	CKSRYB105K10	B
C 268	CKSRYB104K25	C 414	CKSRYB105K10	
C 269	CKSRYB104K25	C 451	CCSRCH470J50	
C 270	CKSRYB104K25	C 452	CCSRCH470J50	
C 271	CKSYB106K6R3	C 453	CCSRCH470J50	
C 272	CCSRCH470J50	C 454	CCSRCH470J50	
C 273	CCSRCH470J50	C 455	CEVWNP100M10	
C 274	CCSRCH471J50	C 456	CEVWNP100M10	
C 275	CKSRYB104K25	C 457	CEVWNP100M10	
C 276	CKSRYB102K50	C 458	CEVWNP100M10	
C 301	CCSRCH100D50	C 459	CKSRYB105K10	
C 302	CKSRYB105K10	C 460	CKSRYB105K10	
C 303	CEVW100M16	C 461	CKSRYB105K10	C
C 304	CKSRYB104K25	C 462	CKSRYB105K10	
C 305	CEVW100M16	C 501	CEVW470M10	
C 306	CKSRYB104K25	C 502	CEVW470M10	
C 307	CEVW100M16	C 503	CKSRYB104K25	
C 308	CKSRYB104K25	C 504	CKSRYB104K25	
C 309	CEVW100M16	C 505	CKSRYB105K10	
C 310	CEVW100M16	C 506	CKSRYB105K10	
C 311	CEVW100M16	C 507	CKSRYB105K10	
C 312	CEVW100M16	C 508	CKSRYB105K10	D
C 313	CEVW100M16	C 509	CKSRYB105K10	
C 314	CEVW100M16	C 510	CKSRYB105K10	
C 315	CEVW100M16	C 511	CKSRYB105K10	
C 316	CKSRYB104K25	C 512	CKSRYB105K10	
C 317	CKSRYB102K50	C 513	CEVW100M16	
C 318	CKSQYB475K6R3	C 514	CEVW100M16	
C 319	CKSRYB104K25	C 515	CKSRYB105K10	
C 320	CKSRYB104K25	C 516	CKSRYB105K10	
C 351	CEVW100M16	C 517	CEVW100M16	
C 352	CEVW100M16	C 518	CEVW100M16	
C 361	CKSRYB472K50	C 519	CKSRYB104K25	
C 362	CKSRYB472K50	C 520	CKSRYB104K25	E
C 363	CKSRYB102K50	C 551	CKSRYB104K25	
C 364	CKSRYB102K50	C 552	CKSRYB104K25	
C 365	CCSRCH121J50	C 553	CKSRYB104K25	
C 366	CCSRCH121J50	C 601	CKSRYB103K50	
C 367	CKSRYB105K10	C 602	CKSRYB105K10	
C 368	CKSRYB105K10	C 603	CKSRYB104K25	
C 381	CKSRYB472K50	C 604	CEVW100M16	
C 382	CKSRYB472K50	C 606	CEVW100M16	
C 383	CKSRYB102K50	C 607	CKSRYB104K25	
C 384	CKSRYB102K50	C 701	CEVW100M16	
C 385	CCSRCH121J50	C 702	CEVW100M16	
C 386	CCSRCH121J50	C 703	CKSRYB105K10	F
C 387	CKSRYB105K10	C 704	CCSRCH470J50	
C 388	CKSRYB105K10	C 705	CCSRCH470J50	

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Circuit Symbol and No.**Part No.****Circuit Symbol and No.****Part No.**

C 706 CKSRYB105K10
C 707 CEVW100M16
C 708 CEVW100M16

C 908 CEHVW330M16
C 909 CEHVW330M16
C 910 CKSYB475K10

A

C 709 CKSRYB105K10
C 710 CCSRCH470J50
C 711 CCSRCH470J50
C 712 CKSRYB105K10
C 713 CEVW100M16

C 911 CKSYB225K16
C 912 CEVW330M16
C 914 CKSRYB104K25
C 921 CCL1023
C 922 CEVW100M16

0.1F

C 714 CEVW100M16
C 715 CKSRYB105K10
C 716 CCSRCH470J50
C 717 CCSRCH470J50
C 718 CKSRYB105K10

C 923 CKSRYB103K50
C 924 CKSRYB104K25
C 925 CKSRYB104K25
C 926 CCH1405(P35)
C 941 CKSRYB105K10

2200μF/16V

B

C 751 CEVWNP100M10
C 752 CEVWNP100M10
C 753 CEVWNP100M10
C 754 CEVWNP100M10
C 755 CEVWNP100M10

C 942 CKSRYB103K50
C 943 CEVW101M10
C 944 CKSRYB103K50
C 945 CKSRYB103K50
C 946 CEVW4R7M35

C 756 CEVWNP100M10
C 757 CKSRYB102K50
C 758 CKSRYB102K50
C 759 CKSRYB102K50
C 760 CKSRYB102K50

C 947 CKSRYB105K10
C 948 CKSRYB104K25
C 949 CEVW101M10
C 950 CKSRYB103K50
C 951 CKSRYB473K50

C

C 761 CKSRYB102K50
C 762 CKSRYB102K50
C 763 CKSRYB104K25
C 764 CKSYB475K10
C 765 CKSYB475K10

C 952 CEVW100M16
C 953 CKSRYB104K25
C 961 CKSRYB104K25
C 962 CKSRYB104K25
C 963 CEVW100M16

C 766 CKSRYB104K50
C 801 CKSRYB102K50
C 802 CEHVW330M16
C 803 CEVW100M16
C 804 CCH1447(P35)

C 981 CEVW470M10
C 982 CKSRYB105K10
C 983 CKSRYB103K50
C 984 CKSRYB105K10
C 985 CKSRYB103K50

2200μF/16V

D

C 805 CKSRYB104K25
C 806 CKSRYB103K50
C 807 CKSYB225K16
C 808 CKSRYB105K10
C 809 CKSYB225K16

C 986 CEVW470M10
C 987 CKSRYB104K25
C 988 CEVW101M10
C 989 CKSRYB103K50
C 990 CKSRYB473K50

C 810 CKSRYB105K10
C 811 CKSRYB105K10
C 812 CKSRYB105K10
C 813 CKSRYB105K10
C 814 CKSRYB104K25

C 991 CKSRYB104K25
C 992 CEVW100M16

E

C 815 CEVW100M16
C 816 CKSRYB105K10
C 817 CKSRYB105K10
C 818 CKSRYB105K10
C 819 CKSRYB105K10

C 820 CCH1068(P35)
C 823 CKSRYB105K10
C 824 CKSRYB105K10
C 825 CKSQYB225K10
C 826 CKSYB475K16

4700μF/16V

F

C 901 CCSRCH151J50
C 902 CKSRYB104K25
C 903 CKSRYB104K25
C 904 CKSRYB104K25
C 905 CCSRCH101J50

C 906 CCSRCH471J50
C 907 CKSRYB104K25

1

2

3

4

■ 5 ■

6. ADJUSTMENT

There is no information to be shown in this chapter.

A

■

B

■

C

■

D

■

E

■

F

1 2 3 4

7. GENERAL INFORMATION

7.1 DIAGNOSIS

7.1.1 DISASSEMBLY

A

● Removing the Case (Fig.1)

- 1 Remove the four screws and then remove the Case.

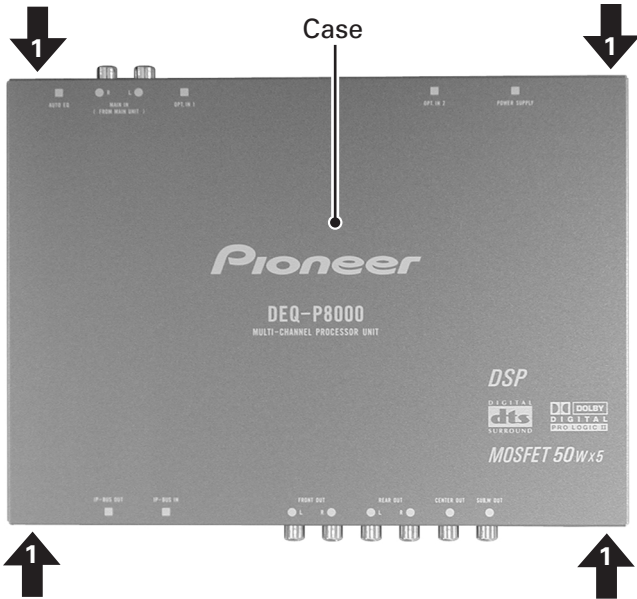


Fig.1

C

● Removing the Audio Control Unit (Fig.2)

- 1 Remove the screw.
- 2 Remove the two screws.
- 3 Straighten the tabs at four locations indicated.
- 4 Remove the screw and then remove the Audio Control Unit.

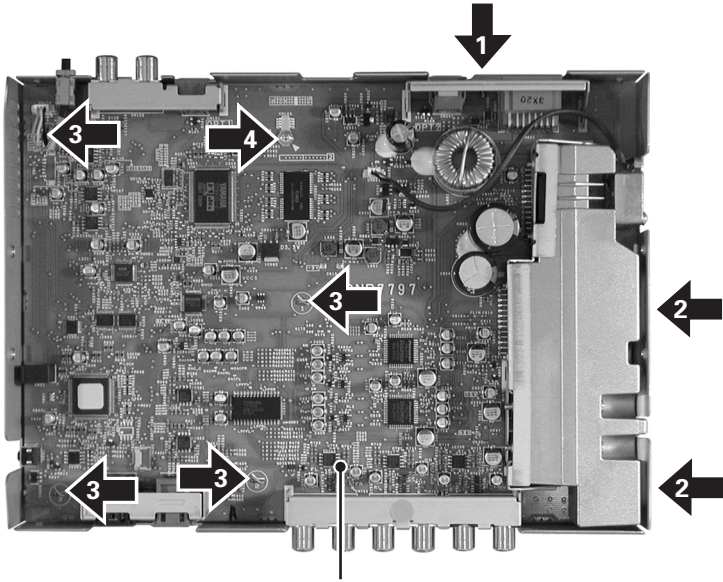
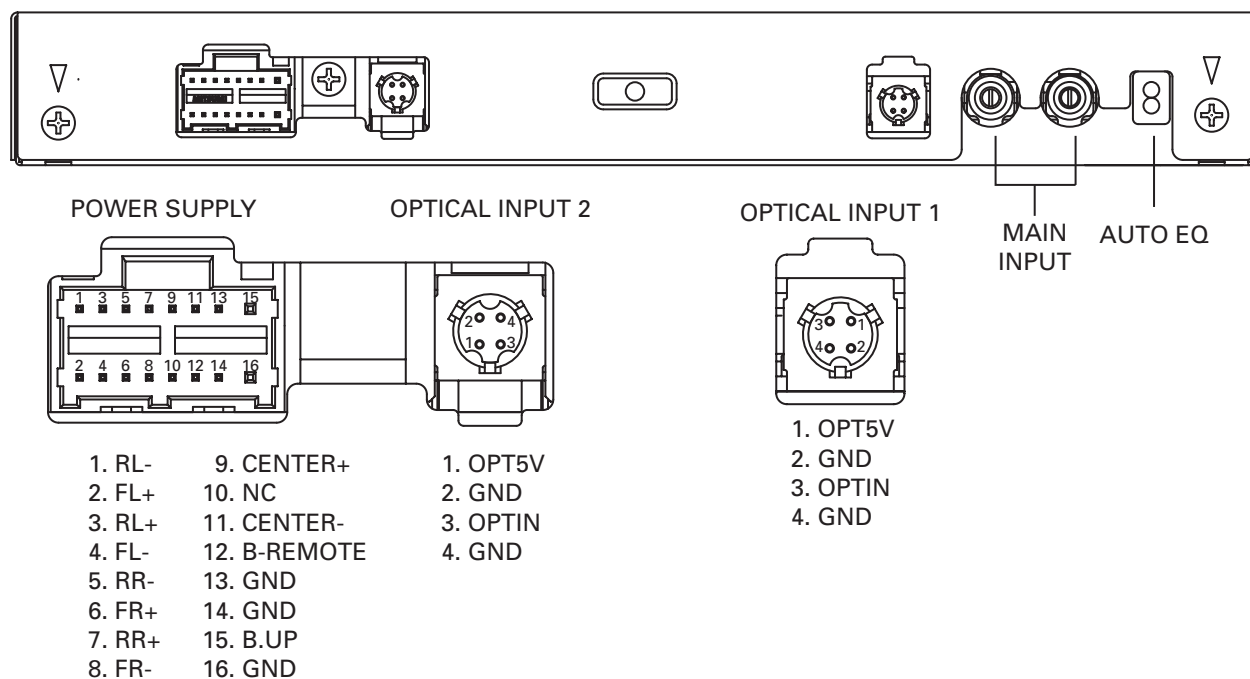
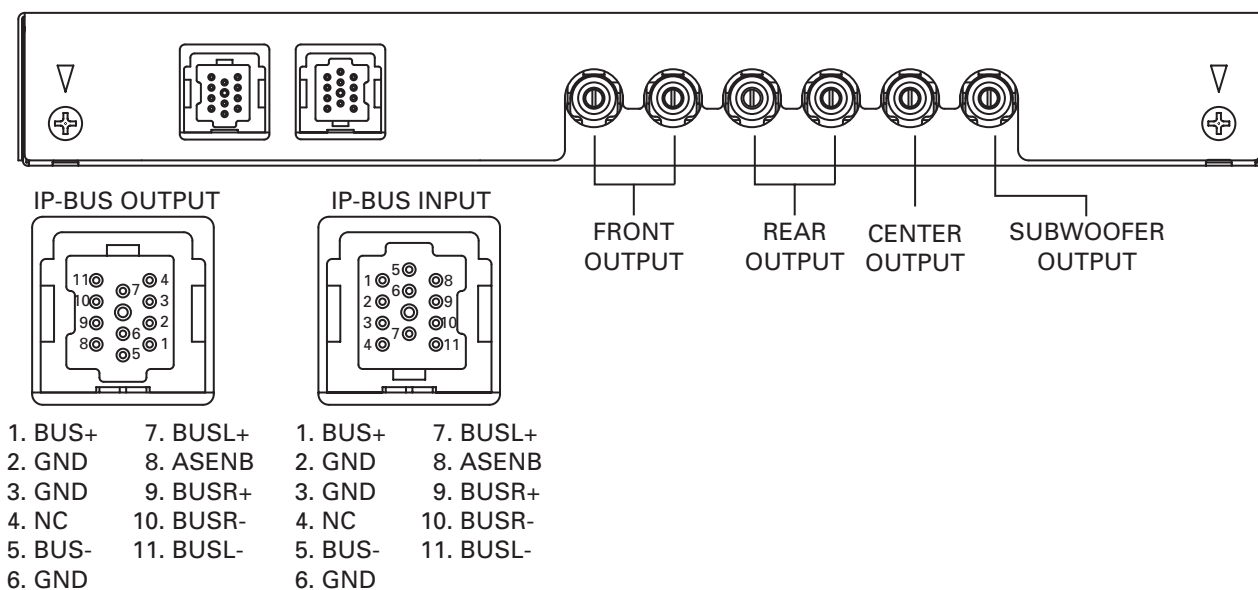


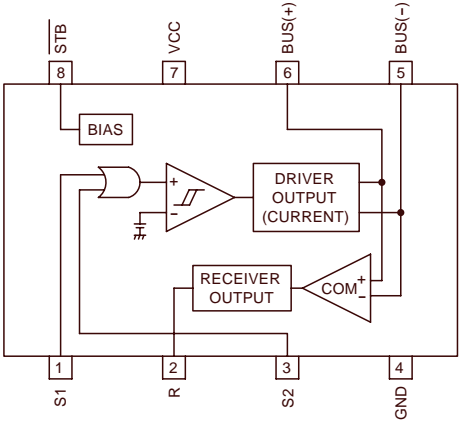
Fig.2

7.1.2 CONNECTOR FUNCTION DESCRIPTION



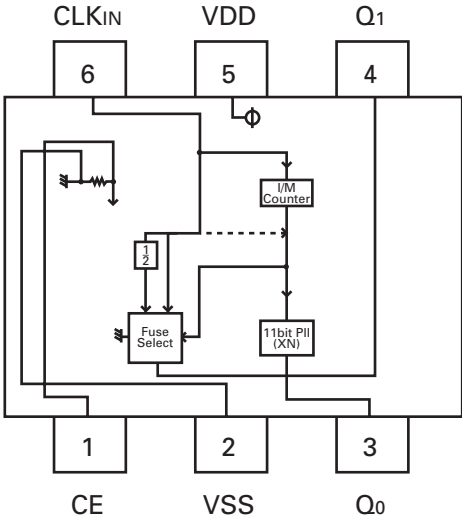
7.2 IC

A HA12240FP



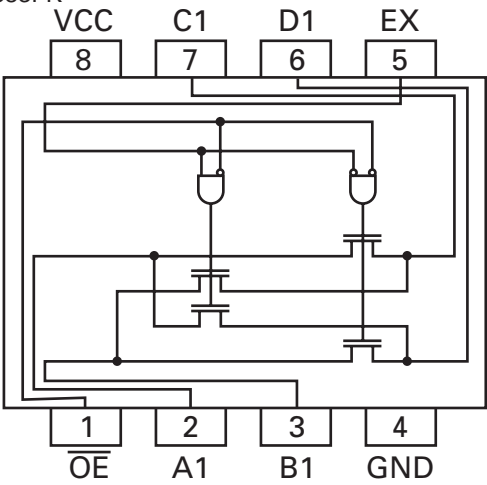
B

* XC25BS5118MR



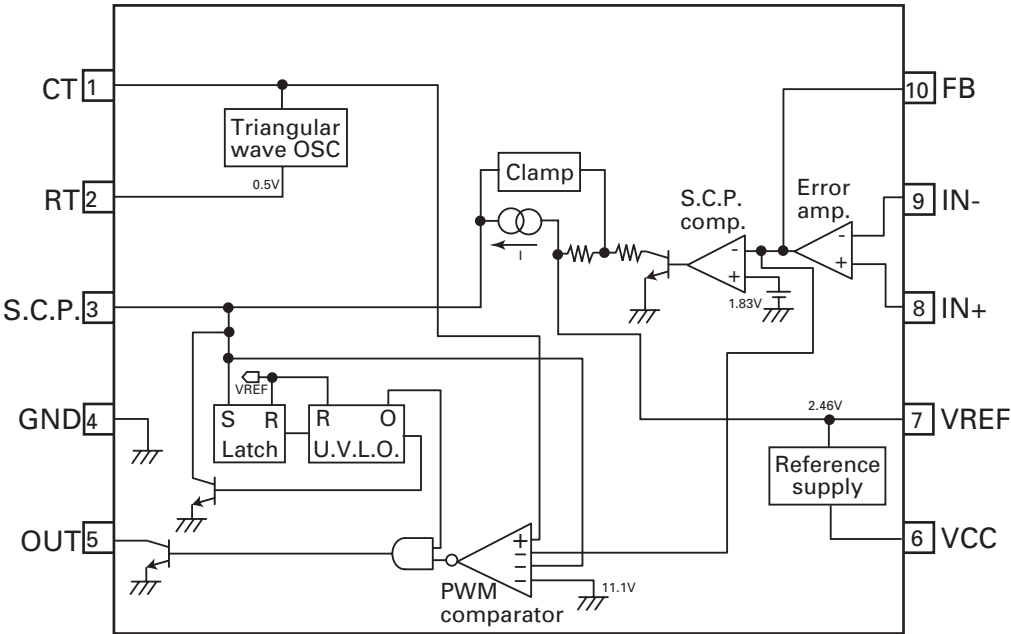
C

* TC7WB383FK



D

* AN8015SH



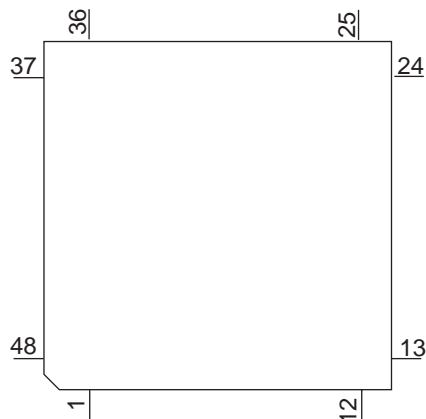
F

IC's marked by * are MOS type.
Be careful in handling them because they are very liable to be damaged by electrostatic induction.

Pin Functions(AK7730VT)

Pin No.	Pin Name	I/O	Function and Operation
1	EESEL	I	Control Mode select pin (Pull down)
2	JX0/SDIN4A	I	External conditional jump pin / DSP serial data input pin (Pull down)
3, 4	SDIN3, 2/JX1, 2	I	DSP serial data input pin / External condition jump pin (Pull down)
5	SDIN1	I	DSP serial data input pin (Pull down)
6	CKS1	I	Master clock (XTI) select pin (Pull down)
7	BVSS		Silicon substrate potential 0V
8	DVSS		Ground pin for digital section 0.0V
9	DVDD		Power supply pin for digital section 3.3V (typ)
10-13	SDOUT4-1	O	DSP Serial data output pin
14	BITCLK_I	I	Serial bit clock input pin
15	LRCLK_I	I	LR channel select clock input pin
16	BITCLK_O	O	Serial bit clock output pin
17	LRCLK_O	O	LR channel select clock output pin
18	RDY	O	Data write ready output pin for microcomputer interface
19	RDY	O	Output data ready pin for Microcomputer interface
20	CS	I	Chip select pin for Microcomputer interface (pull down)
21	DVDD		Power supply pin for digital section 3.3V (typ)
22	DVSS		Ground pin for digital section 0V
23, 24	CLKO1, 2	O	Clock output pin
25	XTO	O	Crystal oscillator output pin
26	XTI	I	Master clock input pin
27	DVSS		Ground pin for digital section 0V
28	DVDD		Power supply pin for digital section 3.3V (typ)
29	SMODE	I	Slave / Master mode selector pin
30	SO	O	Serial data output pin for Microcomputer interfaces
31	SI	I	Microcomputer interface serial data input and serial data output control pin
32	SCLK	I	Microcomputer interface serial data clock pin
33	RQ	I	Microcomputer interface write request pin
34	S_RESET	I	System Reset pin
35	INIT_RESET	I	Reset pin (for initialization)
36	CKS0	I	Master clock (XTI) select pin (pull down)
37	LFLT		Filter connection pin for PLL
38	AVSS		Analog ground 0V
39, 40	AVDD		Power supply pin for analog section 3.3V (typ)
41	VREFH	I	Analog reference voltage input pin
42	VCOM	O	Common voltage
43	VREFL	I	Analog reference voltage input pin for low-level
44	AVSS		Analog ground 0V
45	AINR-	I	ADC Rch analog inverted input pin
46	AINR+	I	ADC Rch analog non-inverted input pin
47	AINL-	I	ADC Lch analog inverted input pin
48	AINL+	I	ADC Lch analog non-inverted input pin

* AK7730VT



* YSS932-S

A

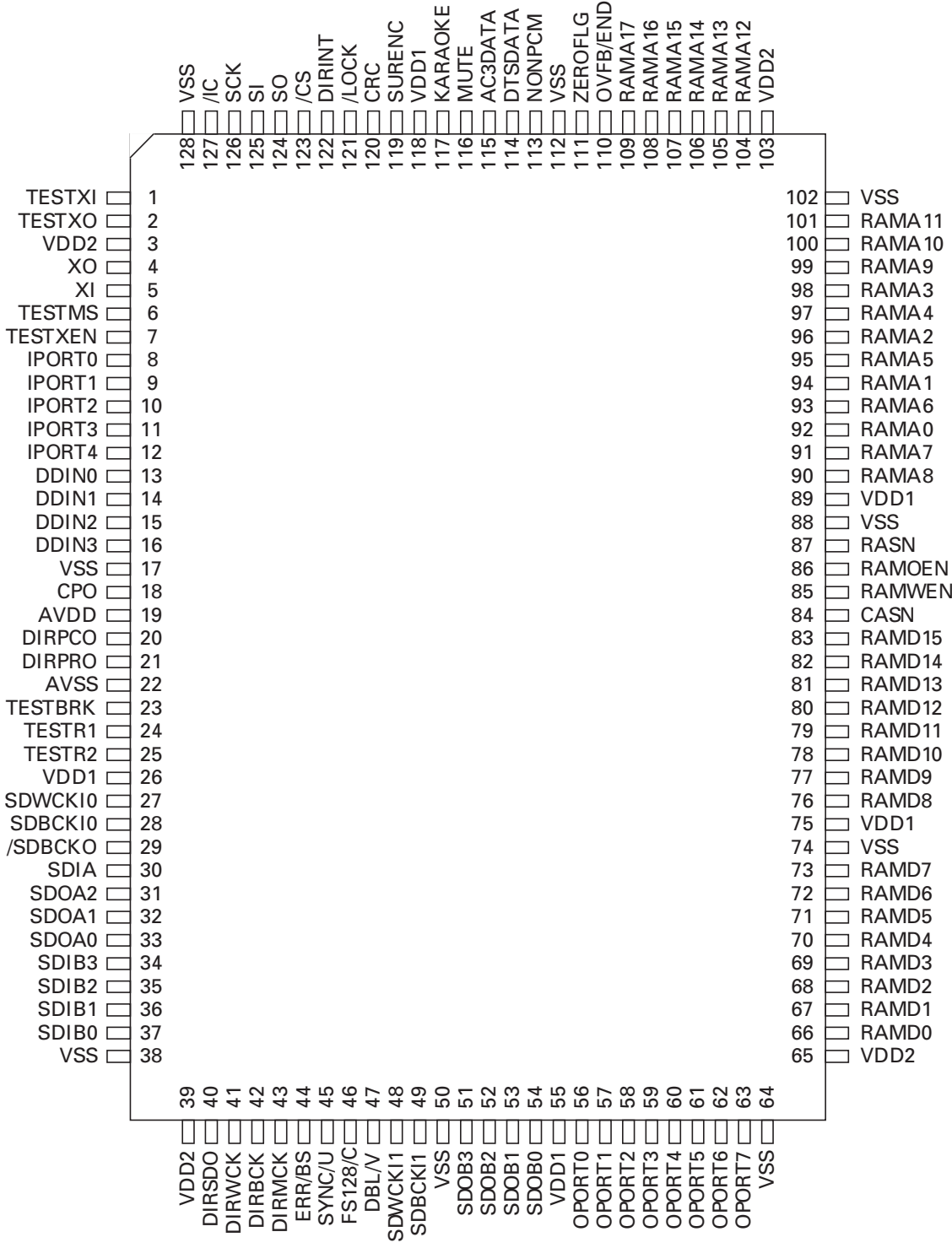
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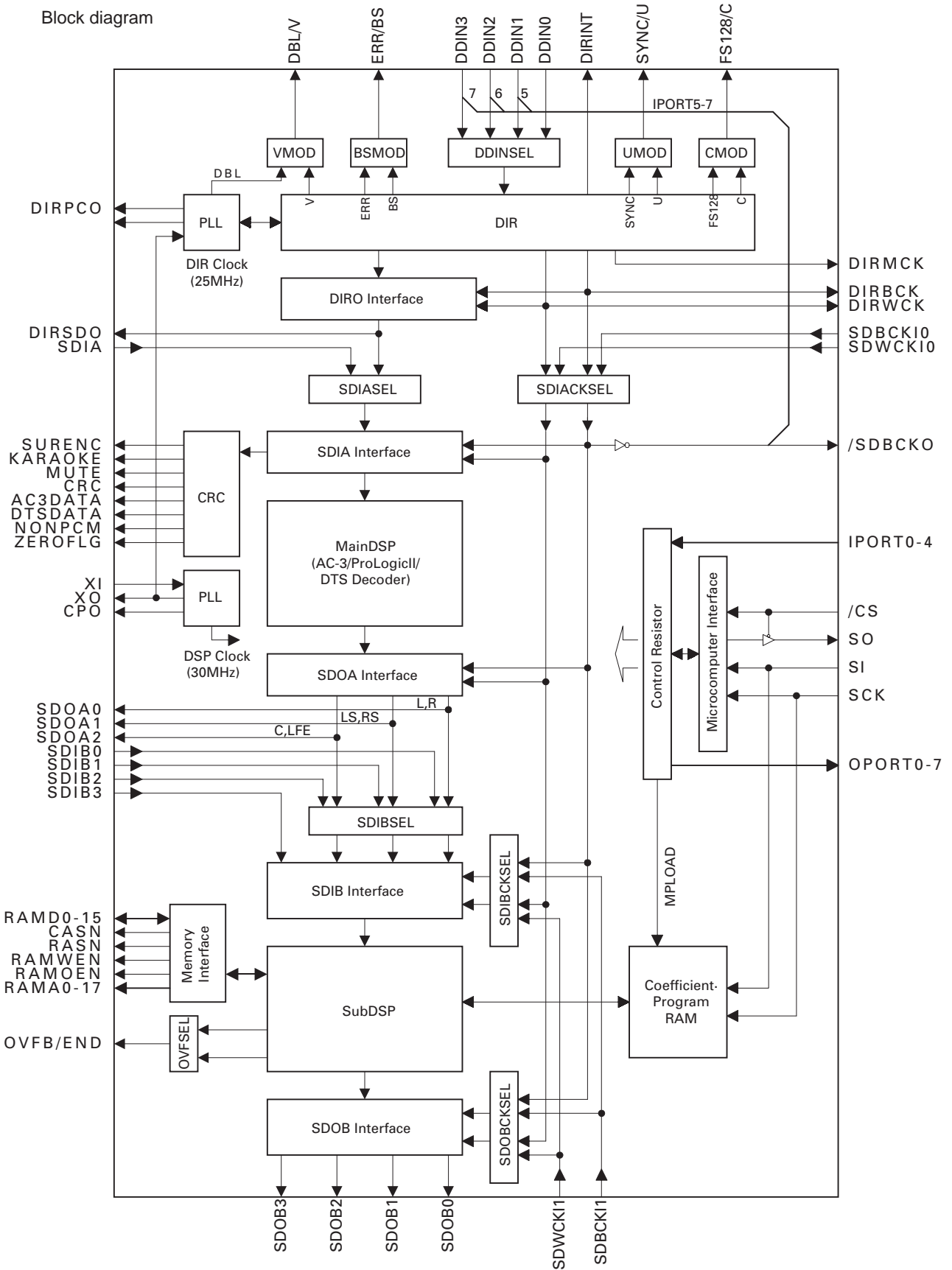
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Block diagram



* PCM1604Y-2

A

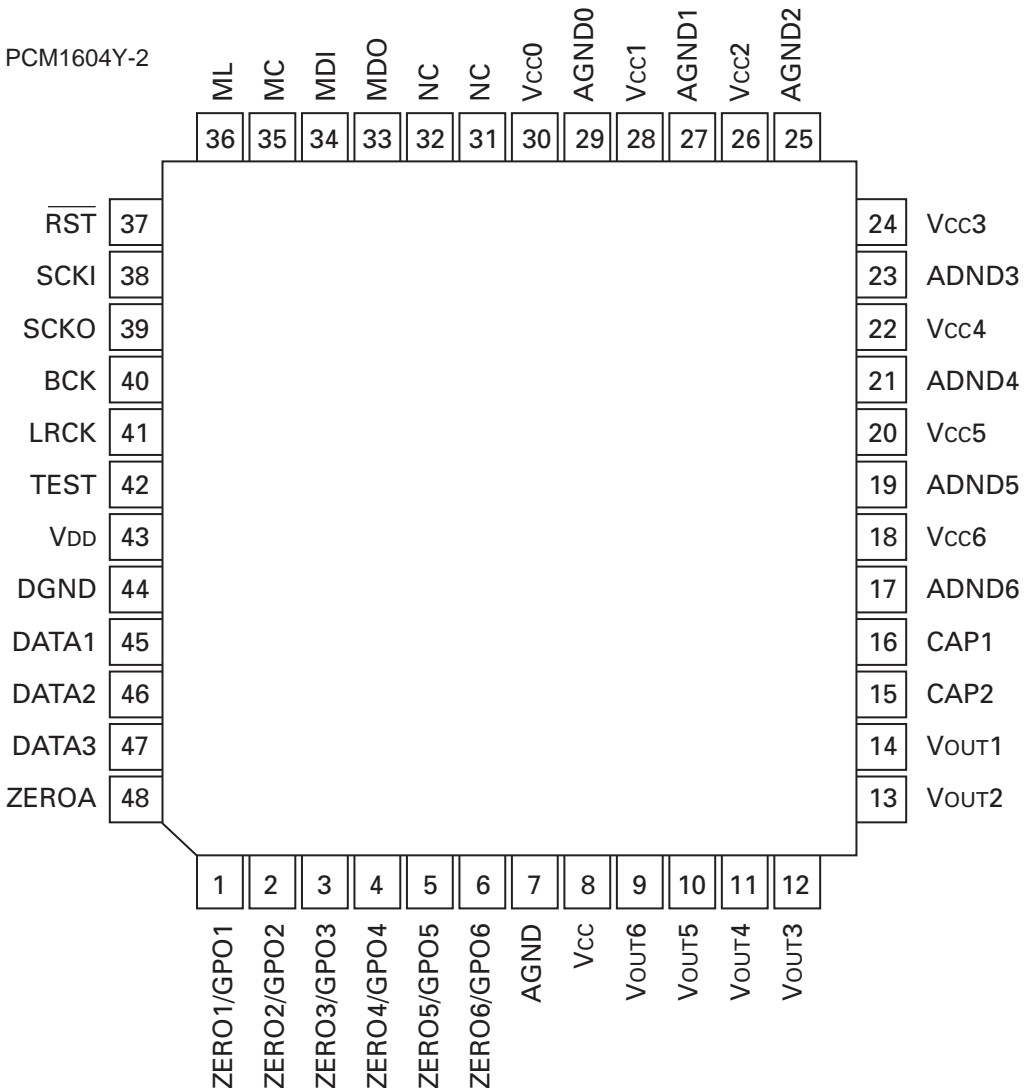
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C

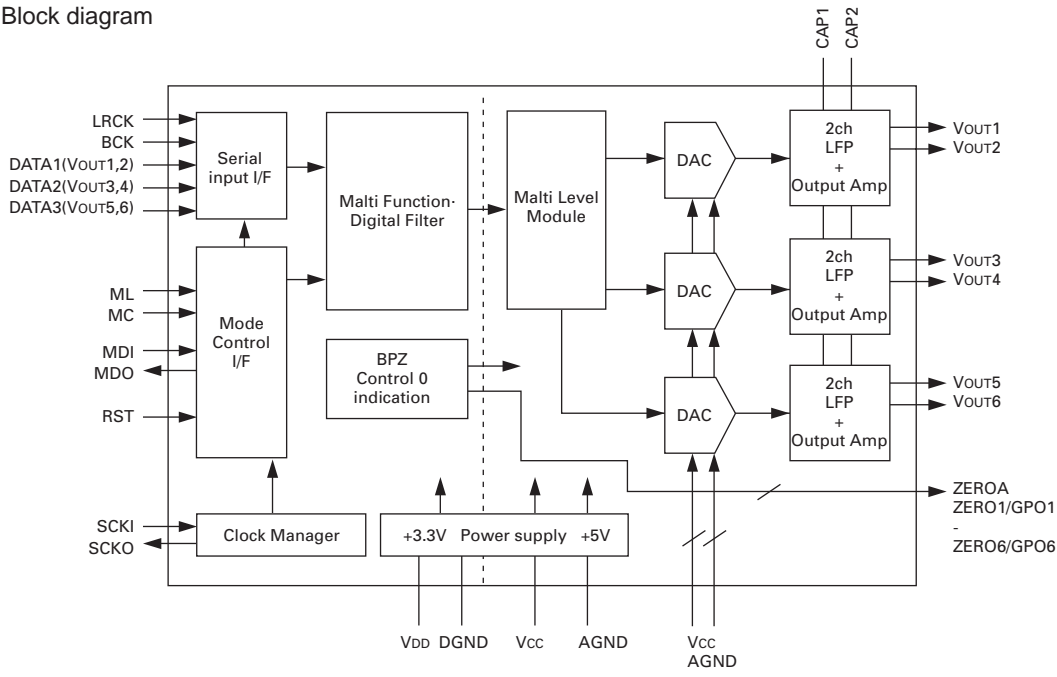
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Block diagram

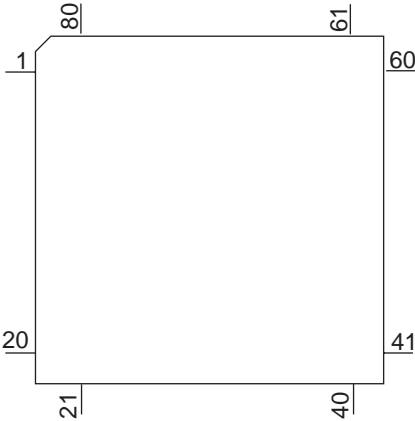


● Pin Functions(PD5967A)

Pin No.	Pin Name	I/O	Format	Function and Operation
1	YSSCLK	O	C	YSS932 : Communication CLK
2,3	EVOLSTB2, 1	O	C	DOLPHIN2, 1 : Strobe
4	EVOLTX	O	C	DOLPHIN : Communication data output
5	EVOLCLK	O	C	DOLPHIN : Communication CLK output
6	CNVSS		C	VSS
7,8	NC			Not used
9	RESET		C	Microcomputer hard reset input
10	XOUT		C	System clock output
11	VSS		C	GND
12	XIN		C	System clock input (10MHz)
13	VCC		C	Microcomputer power supply
14	NMI	I	C	(Pull-up)
15	BSENS	I	C	H : BuckUp power supply OFF L : BuckUp power supply ON
16	ASENS	I	C	H : Acc power supply OFF L : Acc power supply ON
17	NC			Not used
18	IPRQ	I	C	IPBus : Active detection
19,20	NC			Not used
21	IPPW	O	C	IPBus : Driver power supply switch output
22	IPIN	I	N	IPBus : Data input
23	IPOUT	O	N	IPBus : Communication data output
24	TESTTX	O	C	AEQ test mode : Data output
25	TESTRX	I	C	AEQ test mode, Factory test mode : Data input
26	TESTCLK	I	C	Factory test mode : CLK input
27	TESTIN	I	C	Factory test mode : Judgment
28	AKTX	O	C	AK7730 : Communication data output
29	AKRX	I	C	AK7730 : Communication data input
30	AKCLK	O	C	AK7730 : Communication CLK
31	AEQTEST	I	C	H : AEQ test mode L : Normal mode
32-34	NC			Not used
35	NAVISENS	I	C	Jack sense for NAVI guide mixing L : Jack
36-38	NC			Not used
39	SELSW	O	C	Analog input selector switch
40	MICSENS	I	C	H : Microphone L : No microphone
41	ROMCS	O	C	ROM correction : Chip select
42	ROMDATA	I/O	C	ROM correction : Data input/output
43	ROMCLK	O	C	ROM correction : CLK
44-46	NC			Not used
47	SOURCE		C	SOURCE switch
48,49	NC			Not used
50	NAVIMUTE	O	C	H : Mute ON L : Mute OFF
51	MUTERQ	O	C	AMP mute request H : Mute ON L : Mute OFF
52	DSPMUTE	O	C	H : Mute ON L : Mute OFF
53	GAINSTB	O	C	Gain selector : Strobe
54	GAINTX	O	C	Gain selector : Communication data output
55	GAINCK	O	C	Gain selector : Communication CLK
56	DACRST	O	C	DAC : Reset
57	DACML	O	C	DAC : Latch
58	DACCLK	O	C	DAC : Communication CLK
59	DACTX	O	C	DAC : Communication data output
60	SYSPW	O	C	8V power supply

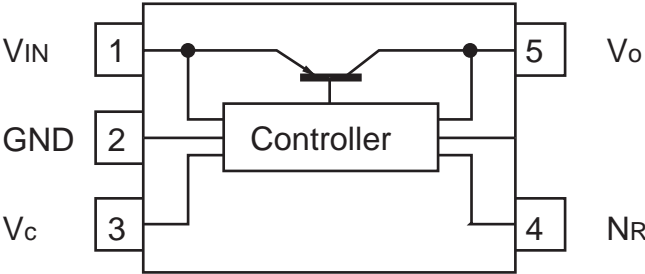
Pin No.	Pin Name	I/O	Format	Function and Operation
61	DSPPW	O	C	DSP : Power supply output
62	YSSLOCK	I	C	YSS : PLL lock detection terminal
63	DACRX	I	C	DAC : Communication data input
64	AKDRDY	I	C	AK7730 : RDY detection terminal
65	AKRDY	I	C	AK7730 : RDY detection terminal
66	32KSW	O	C	AKMCK switch (fs32K) H : 32kHz L : Others
67	AKCKS1	O	C	AK7730 : Master clock selection pin 1
68	AKSRST	O	C	AK7730 : System reset pin
69	AKIRST	O	C	AK7730 : Initial reset pin
70	AKRQ	O	C	AK7730 : Request pin
71	YSSR1	O	C	YSS : PLL initialization signal output terminal
72	YSSIC	O	C	YSS : Reset terminal
73	YSSCS	O	C	YSS : Chip select
74	CKSO		C	AK7730 : Clock switch
75	AVSS		C	Analog GND
76	NC			Not used
77	VREF		C	A/D : Reference voltage
78	AVCC		C	Analog power supply
79	YSSRX	I	C	YSS : Communication data input
80	YSSTX	O	C	YSS : Communication data output

* PD5967A

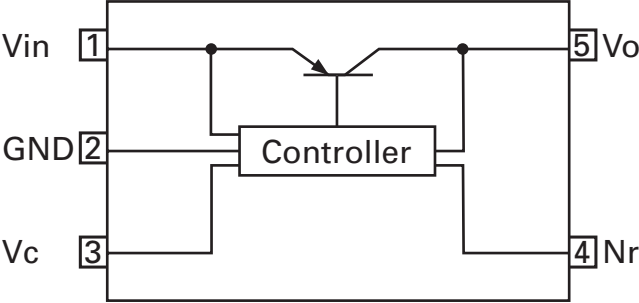


Format	Meaning
C	CMOS
N	N channel open drain

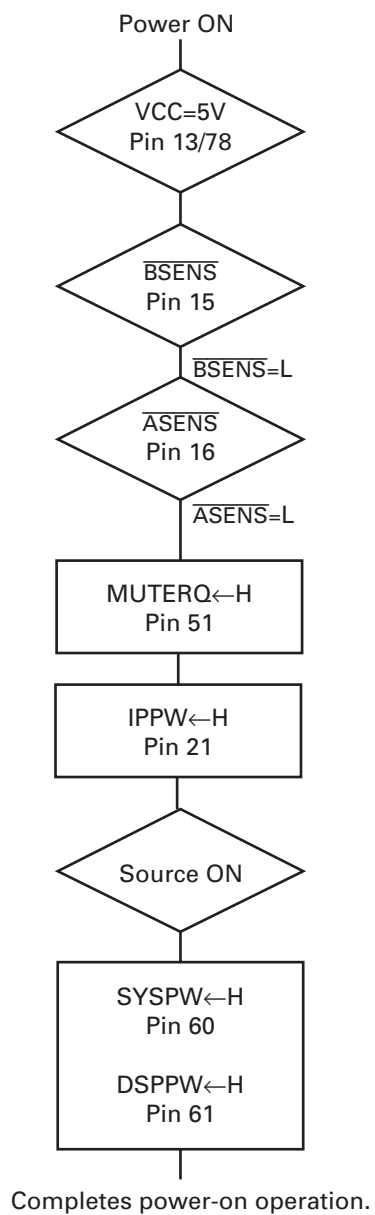
PQ1X331M2ZP



PQ1X251M2ZP



7.3 OPERATIONAL FLOW CHART



7.4 CLEANING

A



Before shipping out the product, be sure to clean the following portions by using the prescribed cleaning tools:

Portions to be cleaned	Cleaning tools
Fans	Cleaning paper : GED-008

B

C

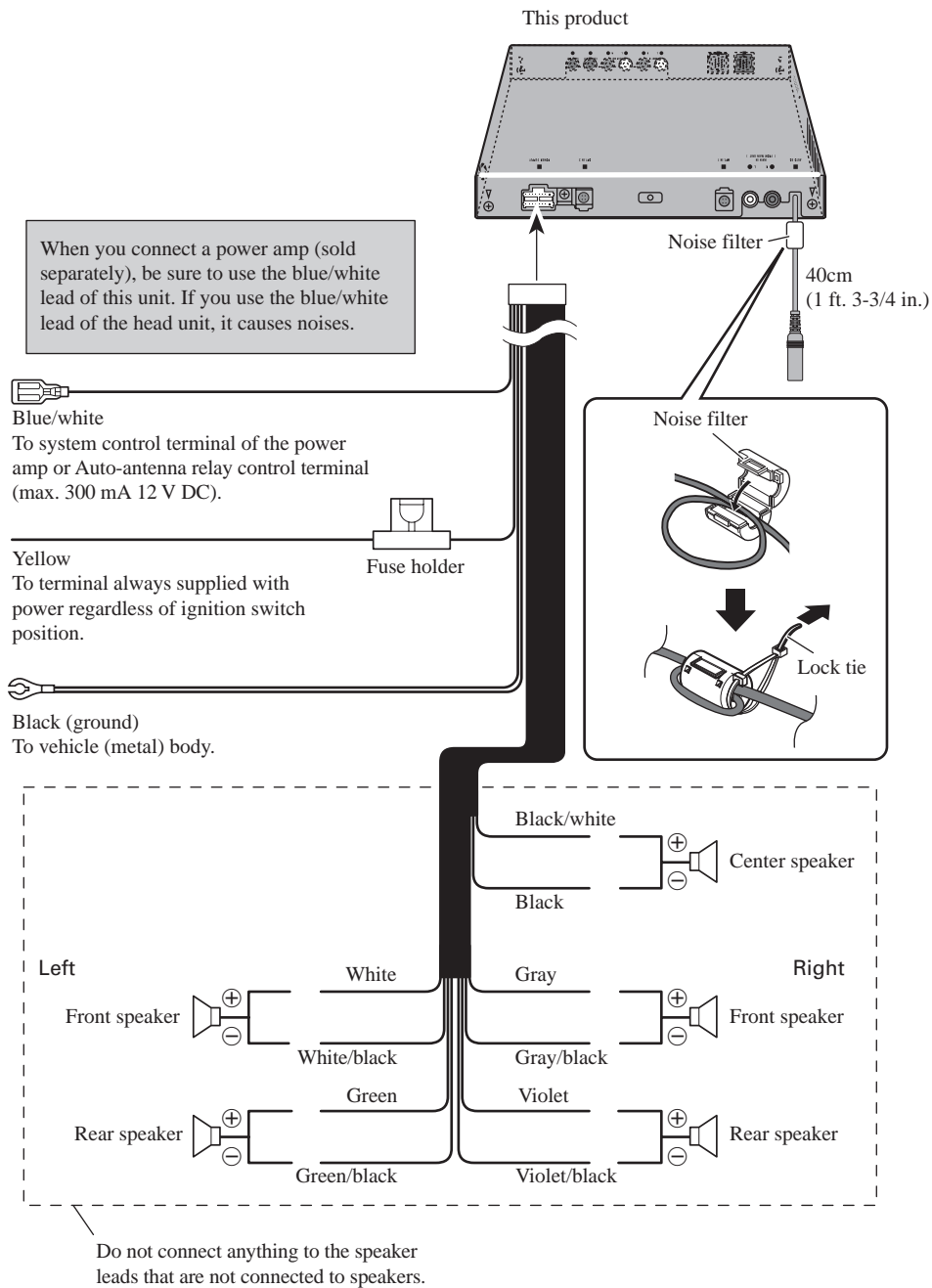
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8. OPERATIONS

● CONNECTION DIAGRAM(UC)



A

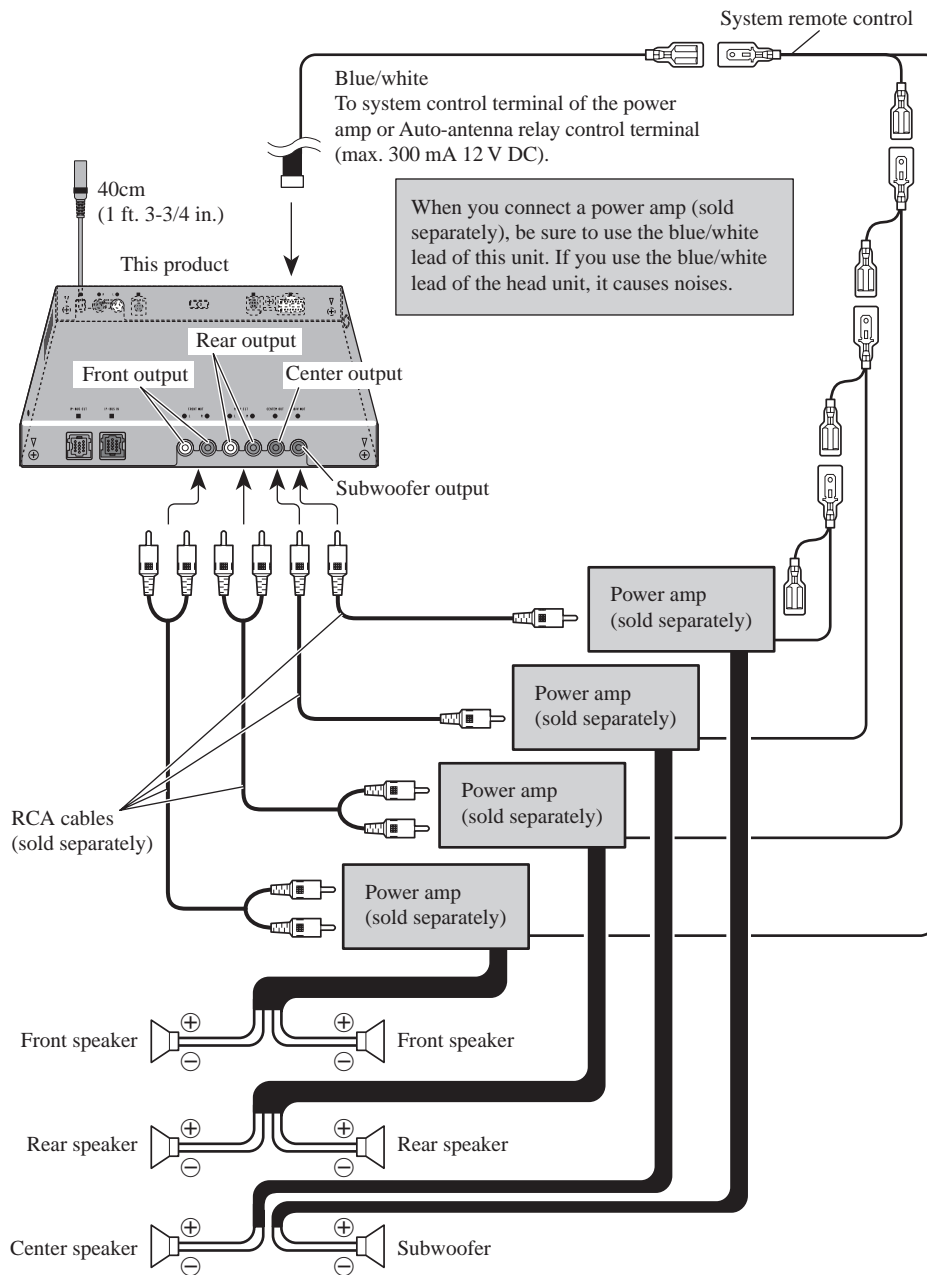
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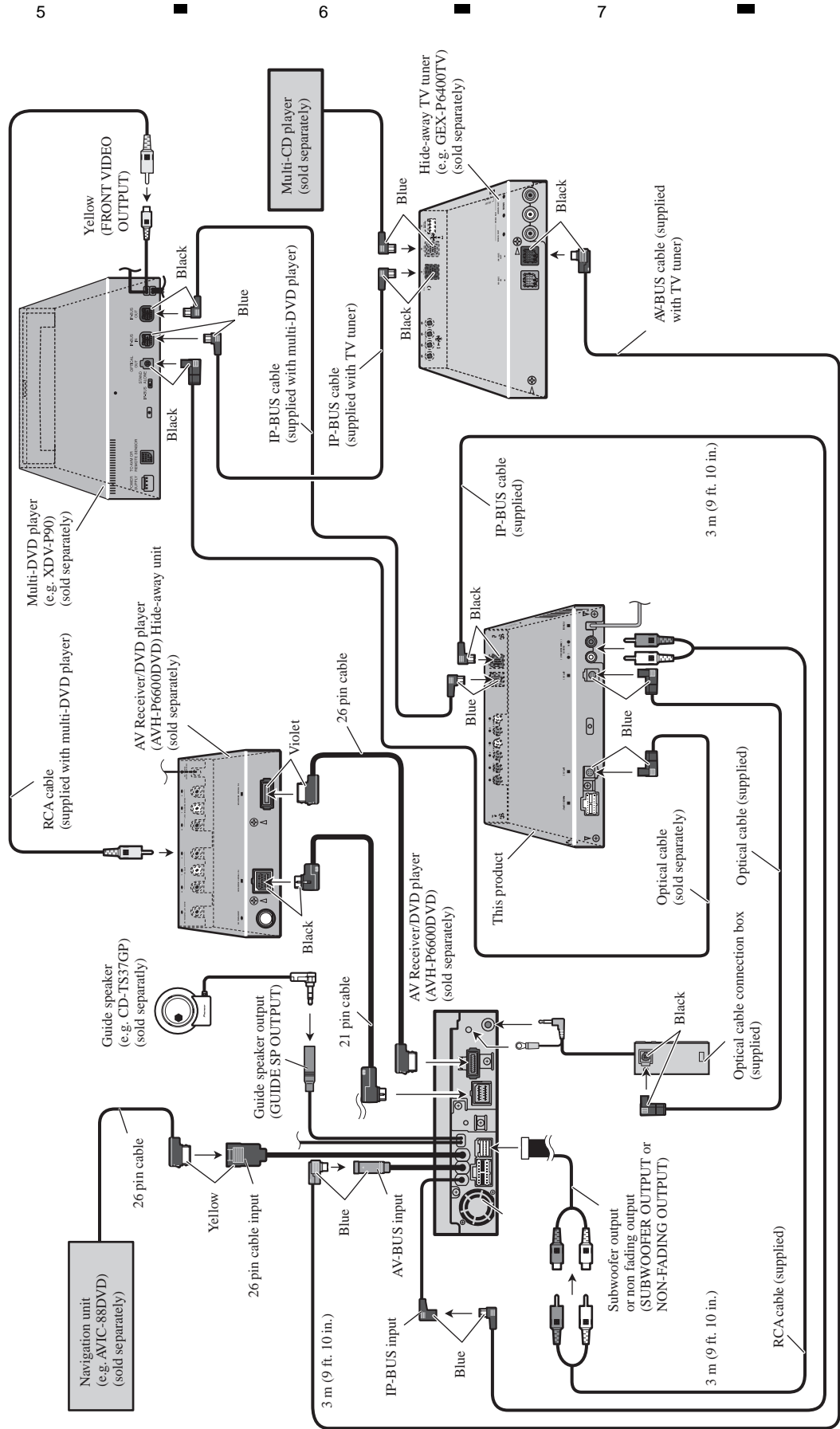
C

D

E

F





● Jigs List

Name	Jig No.	Remarks
Cleaning paper	GED-008	Cleaning fans

A

B

C

D

E

F